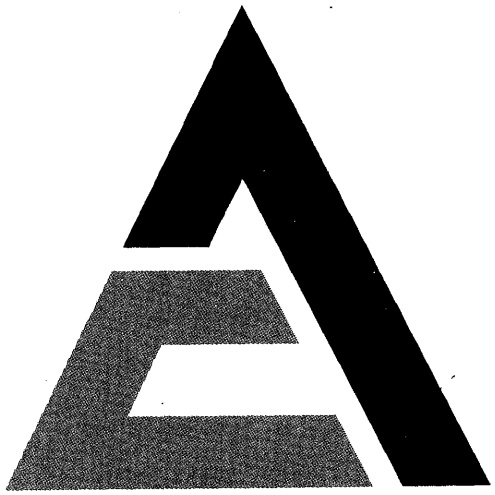
Parts Catalog for 260E TRACTOR

for use with ELEVATOR SCRAPER



ALLIS-CHALMERS

NOTICE

Allis-Chalmers Corporation and FIAT S.p.A. entered into a joint venture agreement to combine their manufacture, sale and service of construction machinery, products throughout the world after January 1, 1974.

In view of the new enterprise, wherever in this publication reference is made to Allis-Chalmers of your Allis-Chalmers dealer, such reference is intended to identify FIAT-ALLIS Construction Machinery Inc. or your FIAT ALLIS dealer.

Milwaukee, Wisconsin, U.S.A.

Price $1.50

Litho in U.S.A.

FORM 70194007
REVISED (5-67)

ADDITIONAL PUBLICATIONS AVAILABLE

FOR

MODEL 260E ELEVATOR TRACTOR SCRAPER
(See NOTE below)

FORM NO.	DESCRIPTION	SERIAL NO.
Parts Catalogs		
626019	Cab Glass Data	
645322	Fuel Injection Pump (APE)	
657397	Fuel Injection Nozzles and Holders	
------	*Elevator Scraper, Model 223, Form No. PC-42-1	
Operating Instructions and Field Maintenance Manual		
194008	260E	
------	*Elevator Scraper, Model 223, Form No. SER 20 (This is Combination Operators and Service Manual)	
Service Manuals		
189100	Torque Converter, Transmission and Charging Pump (Power Shift)	
196407	Hitch	
197345	Final Drive, Differential & Brakes	
637740	Turbocharger (T1817 AiResearch) (for use with Model 19000 Engine)	
643980	Engine (Models 16000H, 19000, 19000 Mark II, 21000H, 25000, 25000 Mark II)	
645652	Turbocharger (TE 0666 AiResearch) (for use with Model 19000 Mark II Engine)	
650850	Service Tools	
------	*Elevator Scraper, Model 223, Form SER 20 (This is Combination Operators and Service Manual)	

NOTE: Order from local ALLIS-CHALMERS Dealer, unless otherwise noted.

* - Order from Hancock Manufacturing Company

IMPORTANT

The terms "right" and "left" used throughout this parts list are determined by facing the direction of forward travel.

Attaching parts such as bolts, nuts, rivets, screws, washers, etc., are indented immediately following the parts which they attach.

Parts indicated with a square (□) are also available in packaged sets. Refer to section titled " PACKAGED PARTS."

INSTRUCTIONS FOR ORDERING PARTS

ALWAYS GIVE THE PERTINENT MODEL AND SERIAL NUMBER.

To obtain parts promptly, give part name and part number.

Give post office address, town, county and state where parts are to be shipped. Also specify whether material is to be shipped by freight, express or parcel post.

Order parts from the dealer covering the local territory.

Confirm all telephone or telegraph orders in writing.

Parts for standard motor accessories such as generators and starting motors should be ordered from authorized Service Stations maintained by manufacturers of these units throughout the country.

No credit will be allowed on parts unless they are returned to the dealer from whom they were purchased; from there they will be returned, at the customer's expense, to the factory for inspection.

Unless claims for shortages or errors are made immediately upon receipt of goods, they will not be considered.

When broken goods are received, a full description of the damage should be made by the carrier agent on the freight bill. If this description is insisted upon, full damage can always be collected from the transportation company.

No reponsibility is assumed for delay or damage to merchandise while in transit. Our responsibility ceases upon delivery of shipment to the transportation company from whom a receipt is received showing that shipment was in good condition when delivered to them; therefore, claims (if any) should be filed with the transportation company and not with Allis-Chalmers.

The right is reserved to change the construction or material of any parts where it seems desirable to do so without incurring the obligation of installing such changes on units already delivered.

MODEL IDENTIFICATION

This Parts Catalog has been prepared to cover the following model, for which identifying symbols are indicated below. This symbol is stamped in front of the model serial number on each unit.

MODEL SYMBOL	ENGINE MODEL	TRANSMISSION MODEL	DESCRIPTION
T260E	19000, prior to engine serial no. 19-01869	TAC-51-1305	Power Shift Tractor, prior to tractor serial no. 7226 (for use with Elevating Scraper)
T260E	19000 Mark II effective engine serial no. 19-01869	TAC-51-1305	Power Shift Tractor, effective tractor serial no. 7226 (for use with Elevating Scraper)

RECORD YOUR SERIAL NUMBERS BELOW

TRACTOR SERIAL NO._____

ENGINE SERIAL NO._____

TRANSMISSION SERIAL NO._____

CONVERTER SERIAL NO._____

SERIAL NUMBER LOCATIONS

The tractor serial number is stamped on a plate, located to the left front side of the tractor main frame.

The engine serial number is stamped in the right side of the cylinder block (directly behind the lubricating oil filters) and is also stamped on a plate, located at the left rear side of the cylinder block.

The transmission serial number is stamped on a plate, located on the top of the transmission housing.

The converter serial number is stamped on a plate, located on the top of the converter housing.

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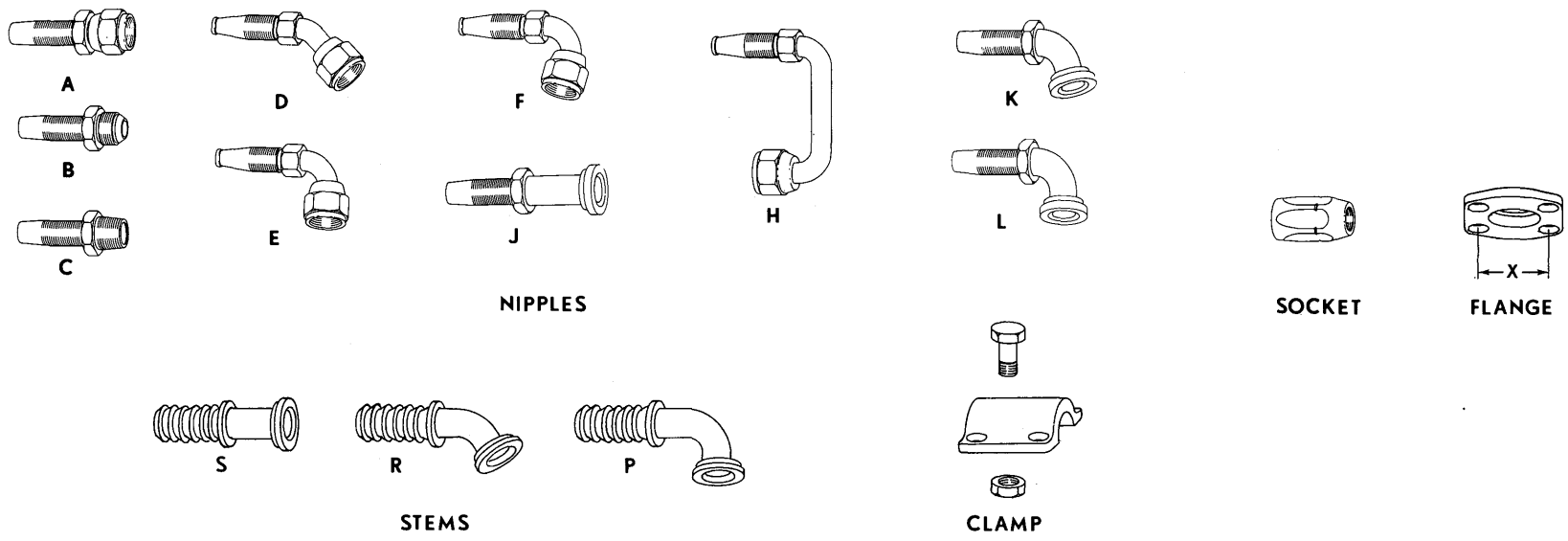


HOSE PARTS

NOTE: Refer to right hand column for identity of interchangeable crimped-type hose (fittings not re-usable). Assembly number shown in left hand column indicates available replacement hose assembly with reusable components; where no assembly number is listed, hose assembly is not available from factory but may be constructed in the field from data indicated.

HOSE ASSEMBLY NO. (See NOTE)	BULK HOSE (25' roll)	HOSE LENGTH (inches)	NIPPLE or STEM #1 end		NIPPLE or STEM #2 end		SOCKET (both ends)	CLAMP (both ends)			NIPPLE FLANGE		CRIMPED-TYPE HOSE (See NOTE)
			NIPPLE or STEM	Type	NIPPLE or STEM	Type		Clamp (4)	Cap-Screw (8)	Nut (8)	Part No.	X Dim	Part No.
------	920794	38-3/8	920978	A	920969	C							189592
------	920795	61-3/8	923263	L	190180	L	920973				186867	2-1/16	189596
------	920795	43-3/8	923263	L	190180	L	920973				186867	2-1/16	189597
------	920795	44-3/8	923263	L	190179	L	920973						189599
------	920728	16-3/8	921034	A	923011	B	919282						190246
------	920795	10-7/8	920970	C	923254	J	920973						192820
------	920726	58-1/2	921046	A	921046	A	919469						193934
------	920728	15	923011	B	921889	C	919282						194230
------	920795	56-3/8	923263	L	190179	L	920973						194243

------	920730	21	923918	L	923274	J	923275						194246
------	920729	87	922737	C	195081	K	920569						194250
------	193872	41-5/8	194256	P	193873	S		193874	924016	910986			194254
------	193875	31	194257	P	193876	S		193878	916396	910986			194255
------	193872	22-3/8	194256	P	195147	R		193874	924016	910986			195146
------	920730	37	923918	L	923274	J	923275						195483
------	193875	43	193877	P	193876	S		193878	916396	910986			195583
------	193875	48-7/8	193877	P	193876	S		193878	916396	910986			195584
------	920795	43-1/4	190180	O	923263	L	920973						195798
------	920795	59-3/8	923263	L	190180	L	920973						195799
------	920983	21	923256	J	189564	L	920987						196416
196711	920222	39-3/4	921034	A	922505	L	919282						------
196712	920222	49-3/4	921034	A	196713	L	919282						------
4386238	919821	28-1/4	921225	C	920513	E	919820						------
4386773	922364	11-3/4	922044	E	922044	E	922042						------
4388009	919821	29-7/8	920511	D	920513	E	919820						------
4388010	920736	35-1/4	920514	E	920514	E	920509						------
4388011	919821	38-1/2	920513	E	922221	E	919820						------
4388079	920736	56-5/8	922417	D	920512	E	920509						------

PACKAGED PARTS

PACKAGE NO.	DESCRIPTION

196336 — INSTALLATION KIT, engine (for installation of 19000 Mark II engine on tractor with original engine prior to serial no. 19-01869)

1	175769	ADAPTER
8	179926	CLAMP
2	191796	HOSE
1	193931	PLATE
1	196828	HOSE ASSY.
1	196832	HOSE ASSY.
2	197058	CLAMP
1	197372	HOSE ASSY.
1	197373	HOSE ASSY.
1	197434	TUBE ASSY.
1	197435	TUBE ASSY.
1	197442	TUBE
1	197443	HOSE
1	197444	HOSE
1	197447	BAR
1	197448	GUSSET
1	197449	CLAMP
1	197497	WIRE ASSY.
1	197498	WIRE ASSY.
1	197516	CLAMP
1	197544	HOSE ASSY.
3	197605	CLAMP
1	198113	BAR
1	198228	BAR
2	900818	WASHER
2	901165	WASHER
2	904205	LOCKWASHER
12	904206	LOCKWASHER
12	904207	LOCKWASHER
2	904208	LOCKWASHER
4	910324	NUT
8	911041	NUT
5	911115	WASHER
4	912187	CAPSCREW
1	915389	ELBOW
2	915807	CAPSCREW
8	916197	CAPSCREW
4	916271	CAPSCREW
2	916311	CAPSCREW
8	916382	CAPSCREW
1	916951	NUT
1	916966	LOCKWASHER
1	917328	BUSHING
1	919136	ELBOW
1	919173	ELBOW
2	919206	ELBOW
1	920328	CAPSCREW
4	921117	FLANGE
4	921911	CLAMP
2	922322	ELBOW
2	923664	O-RING
3	4254951	CLAMP
4	4254991	CLAMP
1	4255010	CLAMP

(Continued)

(Continued)

PACKAGE NO.		DESCRIPTION
196336		INSTALLATION KIT (Cont.)
	2 4255286	ELBOW
	1 4339207	CLAMP
	2 4351688	HOSE
	1 4379647	CONNECTOR
	1 4390172	DIFFUSER
	1 4390593	FILTER ASSY.
	1 -------	Instruction Sheet No. 196336
196479		EMBLEM SET, For machines painted Allis-Chalmers yellow (See PAINTING and MARKING)
4387007		GASKET SET, engine, turbocharger mounting - See TURBOCHARGER CONNECTIONS
4388264		GASKET SET, engine, intermediate
	3 035249	GASKET, drain plug
	12 923576	O-RING, water inlet manifold
	8 923645	O-RING, injection pump and line
	2 4113897	GASKET, cap nut
	4 4119937	GASKET, annular
	8 4251984	O-RING, water tube
	1 4253355	O-RING, camshaft
	1 4253806	O-RING, water pump body
	2 4254806	O-RING, bonnet inlet tube
	5 4255511	O-RING, water manifold
	2 4255513	O-RING, water and oil manifold
	2 4255631	O-RING, water and oil manifold
	4 4255665	O-RING, injection pump bracket
	1 4310257	GASKET, oil drain
	1 4336897	O-RING, flywheel housing
	1 4361740	GASKET, oil filler pipe
	1 4367090	GASKET, tach. cap
	1 4371027	GASKET, cover
	1 4371160	GASKET, heat exchanger
	1 4371289	GASKET, cleanout cover
	4 4371345	GASKET, oil tube
	1 4371742	GASKET, cover
	1 4373069	GASKET, screen cover
	1 4373380	GASKET, cap
	1 4373381	O-RING, gear pin
	1 4373382	O-RING, gear pin
	1 4376398	GASKET, water pump
	1 4376603	GASKET, accessory drive
	1 4376609	GASKET, gear housing cover
	7 4376749	WASHER, push rod cover capscrew
	2 4377120	GASKET, push rod cover
	2 4378112	GASKET, water pump flange
	1 4379633	GASKET, starter
	1 4386495	GASKET, water and oil manifold
	1 4386664	GASKET, cover
	1 4389291	GASKET, water and oil manifold
	1 4660423	GASKET, oil line
	1 4660492	GASKET, timing gear housing
	1 4660613	GASKET, fan support
	1 -------	Instruction Sheet No. 4388289

(Continued)

PACKAGED PARTS (Cont.)

PACKAGE NO.	DESCRIPTION
4388359	RING SET - See PISTON and CONNECTING ROD (for 4388095 Piston, prior engine serial no. 19-01550)
4390115	GASKET SET, engine cylinder head (for use on engines prior to serial no.
	8 917806 SLEEVE, fuel line (rubber)
	8 4254873 WASHER, rocker cover capscrew
	1 4361551 GASKET, air intake elbow
	1 4362458 GASKET, by-pass tube
	6 4375865 GASKET, exhaust manifold
	6 4376483 GASKET, water manifold
	1 4376520 GASKET, thermostat housing cover
	1 4376527 GASKET, manifold connecting
	6 4378031 GASKET, nozzle
	2 4379167 GASKET, exhaust manifold (center)
	1 4386137 GASKET, thermostat by-pass tube
	6 4387697 GASKET, intake manifold
	2 4389960 GASKET, cylinder head cover (lower)
	2 4389961 GASKET, cylinder head cover (upper)
	2 4390042 GASKET, cylinder head
	6 4390043 GASKET, cylinder head liner
	1 ------- Instruction Sheet No. 4390333
4390599	RING SET - See PISTON and CONNECTING ROD (for 4390057 Piston, effective engine serial no. 19-01550)
4390744	SLEEVE KIT, engine (with Piston)
	2 4253749 RETAINER, piston pin
	1 4379178 RING, packing
	2 4385485 RING, packing
	1 4390057 PISTON
	1 4390175 PIN, piston
	1 4390462 SLEEVE, cylinder
	1 4390599 RING SET, piston (See above)
	1 ------- Instruction Sheet No. 4385633
	1 ------- Instruction Sheet No. 4391083
4390927	GASKET SET, engine cylinder head (effective engine serial no.
	8 917806 SLEEVE, fuel line (rubber)
	8 4254873 GASKET, rocker cover capscrew
	1 4361551 GASKET, air intake elbow
	6 4375865 GASKET, exhaust manifold
	6 4376483 GASKET, water manifold
	1 4376520 GASKET, thermostat housing cover
	1 4376527 GASKET, manifold connecting
	6 4378031 GASKET, nozzle
	1 4378112 GASKET, by-pass tube
	2 4379167 GASKET, exhaust manifold (center)
	1 4386137 GASKET, thermostat by-pass tube
	6 4387697 GASKET, intake manifold
	2 4389960 GASKET, cylinder head cover (lower)
	2 4390042 GASKET, cylinder head
	6 4390043 GASKET, cylinder head liner
	2 4390497 GASKET, cylinder head cover (upper)
	1 ------- Instruction Sheet No. 4390333

CONVERSION TABLES

DECIMAL AND METRIC EQUIVALENTS OF FRACTIONS OF AN INCH

Inches		Milli-meters	Inches		Milli-meters
Fractions	Decimals		Fractions	Decimals	
1/64	.015625	.397	33/64	.515625	13.097
1/32	.03125	.794	17/32	.53125	13.494
3/64	.046875	1.191	35/64	.546875	13.891
1/16	.0625	1.588	9/16	.5625	14.288
5/64	.078125	1.984	37/64	.578125	14.684
3/32	.09375	2.381	19/32	.59375	15.081
7/64	.109375	2.778	39/64	.609375	15.478
1/8	.125	3.175	5/8	.625	15.875
9/64	.140625	3.572	41/64	.640625	16.272
5/32	.15625	3.969	21/32	.65625	16.669
11/64	.171875	4.366	43/64	.671875	17.066
3/16	.1875	4.763	11/16	.6875	17.463
13/64	.203125	5.159	45/64	.703125	17.859
7/32	.21875	5.556	23/32	.71875	18.256
15/64	.234375	5.953	47/64	.734375	18.653
1/4	.250	6.350	3/4	.750	19.050
17/64	.265625	6.747	49/64	.765625	19.447
9/32	.28125	7.144	25/32	.78125	19.844
19/64	.296875	7.541	51/64	.796875	20.241
5/16	.3125	7.938	13/16	.8125	20.638
21/64	.328125	8.334	53/64	.828125	21.034
11/32	.34375	8.731	27/32	.84375	21.431
23/64	.359375	9.128	55/64	.859375	21.828
3/8	.375	9.525	7/8	.875	22.225
25/64	.390625	9.922	57/64	.890625	22.622
13/32	.40625	10.319	29/32	.90625	23.019
27/64	.421875	10.716	59/64	.921875	23.416
7/16	.4375	11.113	15/16	.9375	23.813
29/64	.453125	11.509	61/64	.953125	24.209
15/32	.46875	11.906	31/32	.96875	24.606
31/64	.484375	12.303	63/64	.984375	25.003
1/2	.500	12.700	1	1.000	25.400

VOLUME AND WEIGHT CONVERSION CONSTANTS — U.S. TO METRIC

Pints x .4732 = Liters
Quarts x .9463 = Liters
Gallons x 3.7853 = Liters
Pounds x .4536 = Kilograms

AVOID ACCIDENTS

MOST ACCIDENTS, WHETHER THEY OCCUR IN INDUSTRY, ON THE FARM, AT HOME OR ON THE HIGHWAY, ARE CAUSED BY THE FAILURE OF SOME INDIVIDUAL TO FOLLOW SIMPLE AND FUNDAMENTAL SAFETY RULES OR PRECAUTIONS. FOR THIS REASON MOST ACCIDENTS CAN BE PREVENTED BY RECOGNIZING THE REAL CAUSE AND DOING SOMETHING ABOUT IT BEFORE THE ACCIDENT OCCURS.

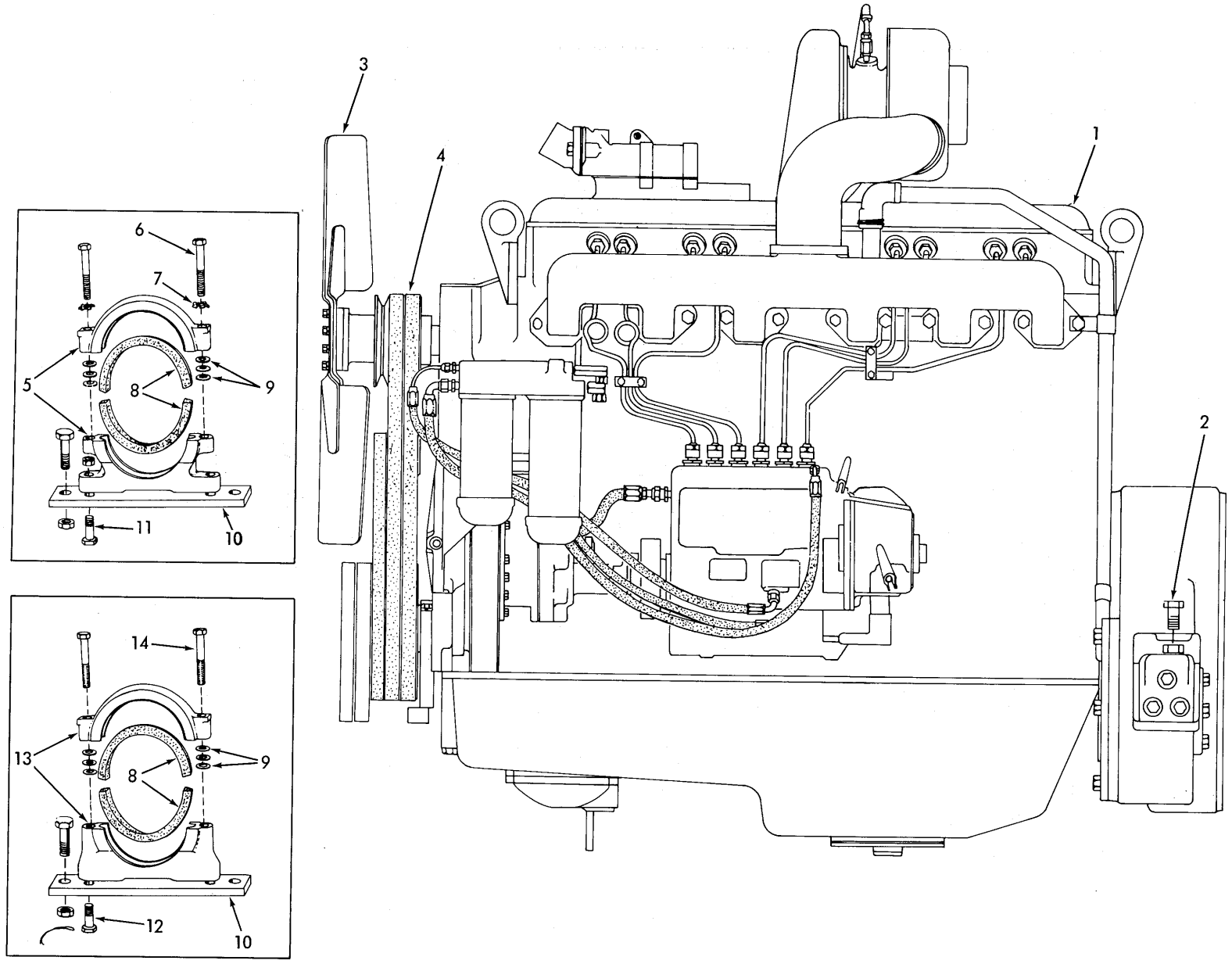
REGARDLESS OF THE CARE USED IN THE DESIGN AND CONSTRUCTION OF ANY TYPE OF EQUIPMENT THERE ARE MANY CONDITIONS THAT CANNOT BE COMPLETELY SAFEGUARDED AGAINST WITHOUT INTERFERING WITH REASONABLE ACCESSIBILITY AND EFFICIENT OPERATION.

A careful operator is the best insurance against an accident. The complete observance of one simple rule would prevent many thousand serious injuries each year. That rule is:
Never attempt to clean, oil or adjust a machine while it is in motion.

NATIONAL SAFETY COUNCIL

WARNING

ON MACHINES HAVING HYDRAULICALLY, MECHANICALLY, AND/OR CABLE CONTROLLED EQUIPMENT (SUCH AS SHOVELS, LOADERS, DOZERS, SCRAPERS, etc.) BE CERTAIN THE EQUIPMENT IS LOWERED TO THE GROUND BEFORE SERVICING, ADJUSTING AND/OR REPAIRING. IF IT IS NECESSARY TO HAVE THE HYDRAULICALLY, MECHANICALLY, AND/OR CABLE CONTROLLED EQUIPMENT PARTIALLY OR FULLY RAISED TO GAIN ACCESS TO CERTAIN ITEMS, BE SURE THE EQUIPMENT IS SUITABLY SUPPORTED BY MEANS OTHER THAN THE HYDRAULIC LIFT CYLINDERS, CABLE, AND/OR MECHANICAL DEVICES USED FOR CONTROLLING THE EQUIPMENT.

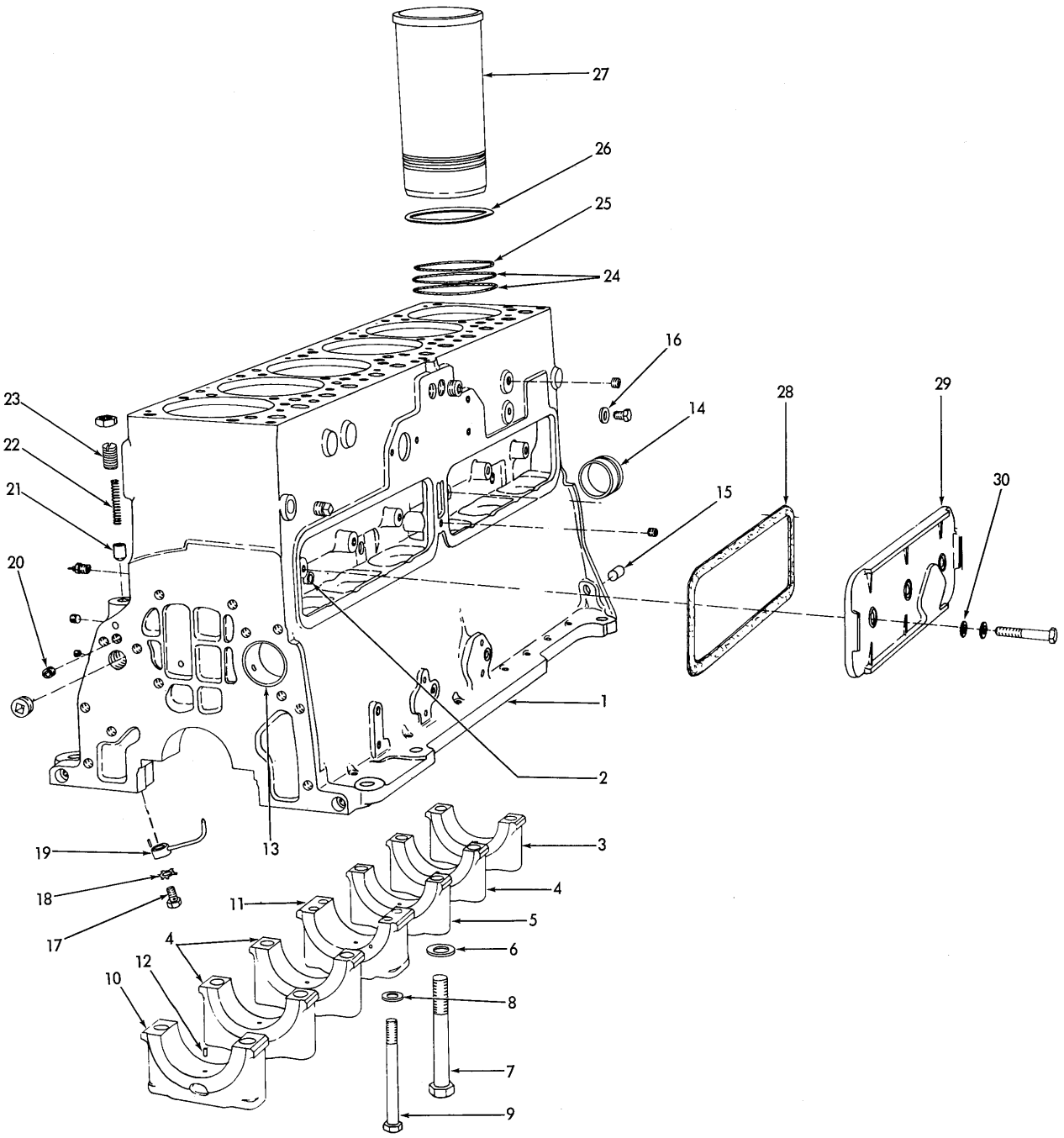


ENGINE ASSEMBLY

T-38074-A

ENGINE ASSEMBLY

ITEM	PART NO.	QTY.	DESCRIPTION
1	------	1	ENGINE ASSY., model 19000 (used prior to engine serial no. 19-01869; prior to tractor serial no. 7226 - order engine 4390796 and item 15)
	------	1	ENGINE ASSY., model 19000 Mark II (used on engine serial nos. 19-01869 thru 19-01939; used on tractor serial nos. 7226 thru 7403 - order engine 4390796, 197373 Hose, 197434 Tube, 197435 Tube, 919136 Elbow, two 923664 O-Rings, four 921117 Flanges, eight each 904207 Lockwashers, 916197 Capscrews)
	4390796	1	ENGINE ASSY., model 19000 Mark II (effective engine serial no. 19-01940 and up; on tractors serial no. 7404 and up)
			NOTE: Engines include Turbocharger, Fuel Pump, Fuel Filters, Lub. Oil Filters, but do not include Fan, Fan Hub, Air Cleaner, Exhaust Pipe, Air Compressor, Generator, Starter or Drive Belts.
2	181975	1	CAPSCREW, special (5/8" NF x 2-3/4") (right rear mounting)
	916408	1	CAPSCREW, 5/8" NF x 2-3/4" (left rear mounting)
	916589	2	NUT, elastic stop, 5/8" NF
3	174364	1	FAN, suction (28") (Standard Equipment)
	188699	1	FAN, pusher (Special Equipment)
	918397	6	CAPSCREW, 5/16" NC x 3"
	916279	6	CAPSCREW, 5/16" NC x 1-1/2" (for use with pusher fan)
	904205	6	LOCKWASHER, 5/16"
4	4388030	1	BELT SET, compressor and fan (cog-type)
5	4364865	1	BRACKET, engine mounting (includes Cap) — Used prior to engine serial no. 19-01869
6	4254891	2	CAPSCREW (1/2" NC x 2-1/2") — Used prior to engine serial no. 19-01869
7	4252682	2	LOCKWASHER — Used prior to engine serial no. 19-01869
8	4336491	2	LINER, engine mounting bracket
9	916009	10	WASHER, plain (1/32" thick - use as required)
10	193930	1	BAR
	915792	2	CAPSCREW, 5/8" NF x 4"
	916589	2	NUT, elastic stop, 5/8" NF
11	915792	2	CAPSCREW, 5/8" NF x 4" — Used prior to engine serial no. 19-01869
	916589	2	NUT, elastic stop, 5/8" NF — Used prior to engine serial no. 19-01869
12	197122	2	CAPSCREW, drilled hd., 5/8" NC x 3" — Effective engine serial no. 19-01869 and up
	------	1	WIRE, locking, 16 ga. x 12-1/2" (obtain locally) — Effective engine serial no. 19-01869 and up
13	4390503	1	BRACKET, engine mounting (includes Cap) — Effective engine serial no. 19-01869 and up
14	924694	2	CAPSCREW, 1/2" NC x 3" — Effective engine serial no. 19-01869 and up
15	196336	1	INSTALLATION KIT, engine (See PACKAGED PARTS for details)



T-72179-A

CYLINDER BLOCK

CYLINDER BLOCK

ITEM	PART NO.	QTY.	DESCRIPTION
1	4386500	1	BLOCK ASSY., cylinder (includes items 2 thru 18 and hardware indented below) (used prior to engine serial no. 19-01589)
	4389992	1	BLOCK ASSY., cylinder (includes items 2 thru 18 and hardware indented below) (used on engine serial nos. 19-01589 thru 19-01862)
	4390809	1	BLOCK ASSY., cylinder (includes items 2 thru 18 and hardware indented below) (effective engine serial no. 19-01863)
	919134	1	PLUG, pipe, hex hd., 1/8" NPT
	919840	4	PLUG, pipe, hex hd., 1/4" NPT
	920333	1	PLUG, pipe, hex socket, 3/8" NPT
	917673	2	PLUG, pipe, hex socket, 1/8" NPT
	918850	3	PLUG, pipe, hex socket, 1/4" NPT
	918851	2	PLUG, pipe, hex socket, 3/4" NPT
	904224	2	PLUG, pipe, ctsk-hd., 3/4" NPT
	920416	1	PLUG, pipe, ctsk-hd., 1/2" NPT
	4255363	1	COCK, drain, 1/4" NPT
2	-------	4	DOWEL, valve lifter bracket (See VALVE OPERATING MECHANISM)
3	4389235	1	*CAP, main bearing, rear
4	4389232	3	*CAP, main bearing, intermediate
5	4389234	1	*CAP, main bearing, intermediate (no. 5)
6	4389911	12	WASHER, main bearing cap capscrew
7	4386110	12	CAPSCREW, main bearing cap (7/8" diam.) (used prior to engine serial no. 19-01589)
	4389924	12	CAPSCREW, main bearing cap (7/8" diam.) (effective engine serial no. 19-01589)
8	4389910	4	WASHER, center main bearing capscrew
9	4388522	4	CAPSCREW, center main bearing cap (5/8" diam.) (used prior to engine serial no. 19-01589)
	4389923	4	CAPSCREW, center main bearing cap (5/8" diam.) (effective engine serial no. 19-01589)
10	4389231	1	*CAP, main bearing, front
11	4389233	1	*CAP, main bearing, center
	-------	4	PIN, dowel, thrust flange (See CRANKSHAFT)
12	4389292	7	PIN, step dowel, main bearing
13	4660389	1	BEARING, camshaft, front
	4660440	2	BEARING, camshaft, intermediate
14	4660389	1	BEARING, camshaft, rear
15	-------	2	PIN, dowel, flywheel housing (See FLYWHEEL and HOUSING)

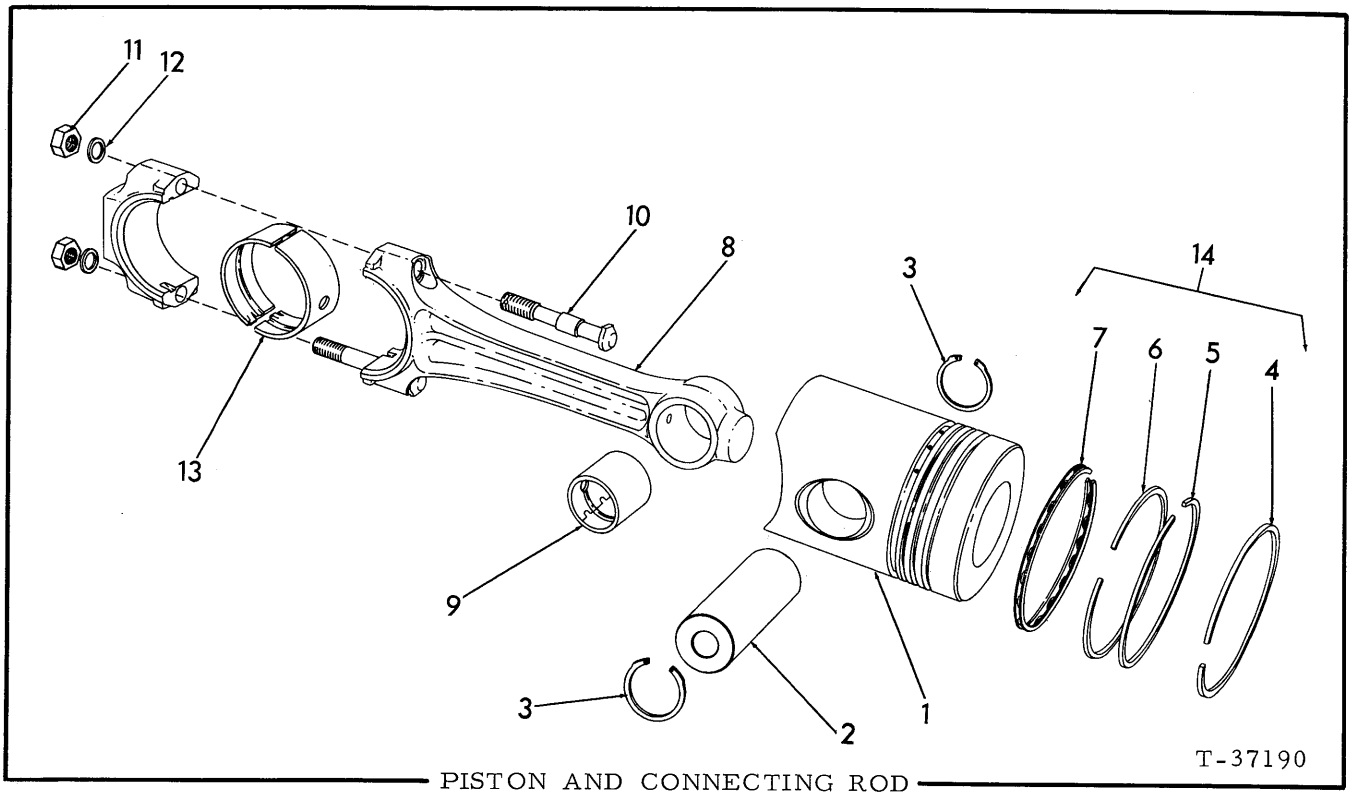
(Continued)

CYLINDER BLOCK (Cont.)

ITEM	PART NO.	QTY.	DESCRIPTION	
16	4119937	3	☐ WASHER, plugging screw (copper)	
	917177	3	CAPSCREW, 1/2" NC x 1/2"	
17	922205	6	CAPSCREW, 5/8" NF x 1/2" (included in Block Assy. for shipping purposes; on engines effective serial no. 19-01869 and up, remove shipping capscrew and replace with jet retaining screw)	
	4386262	6	SCREW, jet retaining (not included in service Block Assy.) (effective engine serial no. 19-01869)	
18	4373619	6	LOCKWASHER, 5-tang (included in Block Assy. for shipping purposes; on engines effective serial no. 19-01869 and up, remove shipping Lockwasher and replace with jet retaining screw Lockwasher)	
	4705801	6	LOCKWASHER, jet retaining screw (not included in service Block Assy.) (effective engine serial no. 19-01869)	
19	4390766	6	JET ASSY., R.H. (includes Dowel Pin indented below)	Effective 19000 Mark II engine serial no. 19-01869 and up
	4390767	6	JET ASSY., L.H. (includes Dowel Pin indented below)	
	917558	6	PIN, dowel, 1/8" x 1/2"	
20	4389943	1	RESTRICTOR, oil pressure by-pass	
21	4500230	1	PISTON, oil pressure regulating valve	
22	4660358	1	SPRING, oil pressure regulating valve	
23	4389058	1	SCREW, oil pressure regulating valve (nylok)	
	910847	1	NUT, jam, 3/4" NF	
24	4385485	12	☐ O-RING, cylinder sleeve, lower grooves (red)	
25	4379178	6	☐ O-RING, cylinder sleeve, upper groove (black)	
26	4379742	-	SHIM, cylinder sleeve (.002" thick)	Used prior to engine serial no. 19-01836, as required when remachining block
	4368204	-	SHIM, cylinder sleeve (.005" thick)	
	4369001	-	SHIM, cylinder sleeve (.008" thick)	
	4368205	-	SHIM, cylinder sleeve (.010" thick)	
	4368206	-	SHIM, cylinder sleeve (.015" thick)	
	4369002	-	SHIM, cylinder sleeve (.020" thick)	
27	4386315	6	SLEEVE, cylinder (used prior to engine serial no. 19-01836)	
	4390462	6	☐ SLEEVE, cylinder (effective engine serial no. 19-01836 and up)	
28	4377120	2	☐ GASKET, push rod cover	
29	4389520	2	COVER, push rod (used prior to engine serial no. 19-01637)	
	4389809	2	COVER, push rod (effective engine serial no. 19-01637 and up)	
	916316	5	CAPSCREW, 1/2" NC x 2-1/2"	
	916317	1	CAPSCREW, 1/2" NC x 2-3/4"	
30	4376749	7	WASHER, push rod cover capscrew	

*Replacement bearing caps are semi-finished and must be line-bored after installing.

☐ Also see PACKAGED PARTS



PISTON AND CONNECTING ROD

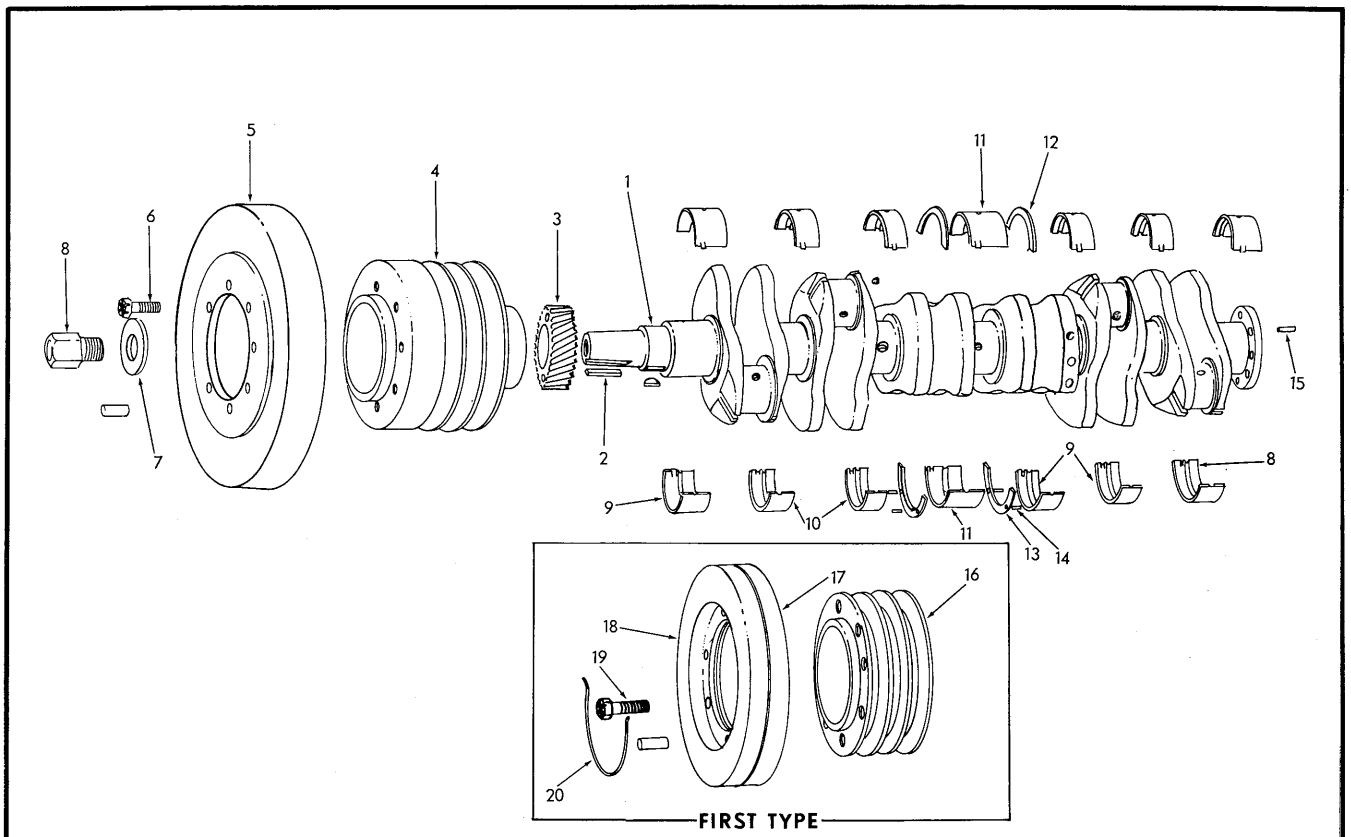
ITEM	PART NO.	QTY.	DESCRIPTION
1	4388095	6	PISTON (used prior to engine serial no. 19-01550)
	4390057	6	☐ PISTON (effective engine serial no. 19-01550 and up)
2	4376792	6	☐ PIN, piston (used prior to engine serial no. 19-01869)
	4390175	6	☐ PIN, piston (effective engine serial no. 19-01869)
3	4353749	12	☐ RETAINER, piston
4	-------	6	RING (top groove) } Order item 14
5	-------	6	RING (2nd groove)
6	-------	6	RING, scraper (3rd groove)
7	-------	6	RING, oil control (4th groove)
8	4388120	6	ROD ASSY., connecting (includes items 9 thru 11) (used prior to engine serial no. 19-01519)
	4390068	6	ROD ASSY., connecting (includes items 9 thru 12) (effective engine serial no. 19-01519)
9	4376986	6	BUSHING, connecting rod
10	4376804	12	BOLT, connecting rod (4-1/8" long) (used prior to engine serial no. 19-01519)
	4388142	12	BOLT, connecting rod (4-1/4" long) (effective engine serial no. 19-01519)
11	4390011	12	NUT, connecting rod bolt
	916245	12	PIN, cotter, 5/32" x 1-1/8" (used prior to engine serial no. 19-01288)

(Continued)

PISTON AND CONNECTING ROD (Cont.)

ITEM	PART NO.	QTY.	DESCRIPTION	
12	4388146	12	WASHER, connecting rod bolt (effective engine serial no. 19-01519)	
13	4386372	12	BEARING, connecting rod (standard size)	Used prior to engine serial no. 19-01869
	4386373	12	BEARING, connecting rod (.010" undersize)	
	4386374	12	BEARING, connecting rod (.020" undersize)	
	4386375	12	BEARING, connecting rod (.030" undersize)	
	4386376	12	BEARING, connecting rod (.040" undersize)	
	4390698	12	BEARING, connecting rod (standard size)	Effective engine serial no. 19-01869
	4391156	12	BEARING, connecting rod (.010" undersize)	
	4391157	12	BEARING, connecting rod (.020" undersize)	
	4391158	12	BEARING, connecting rod (.030" undersize)	
	4391159	12	BEARING, connecting rod (.040" undersize)	
14	4388359	6	RING SET (for ONE 4388095 Piston only) (includes items 4 thru 7) (used prior to engine serial no. 19-01550)	
	4390599	6	☐ RING SET (for ONE 4390057 Piston only) (includes items 4 thru 7) (effective engine serial no. 19-01550)	

☐ Also see PACKAGED PARTS

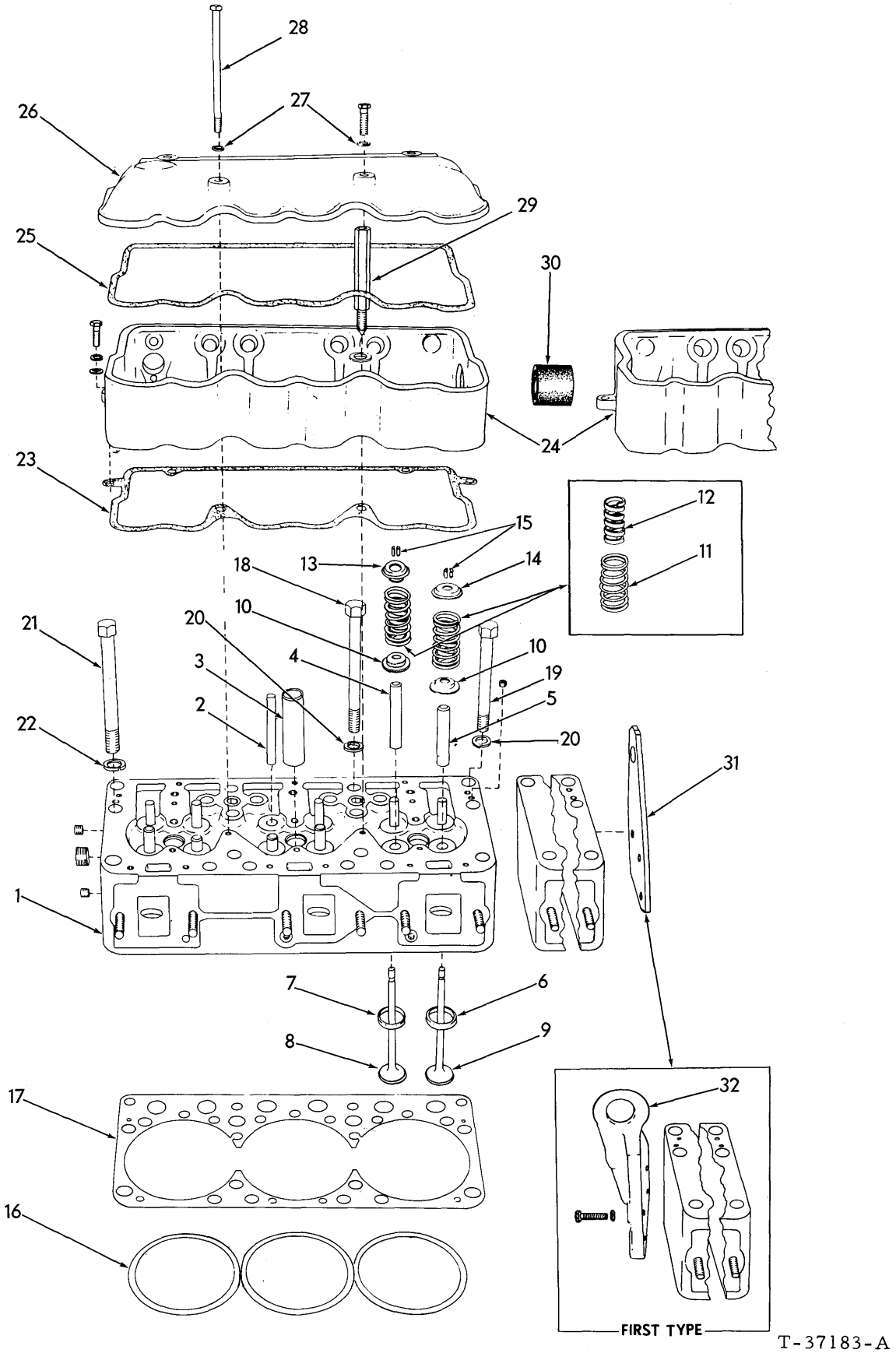


CRANKSHAFT

ITEM	PART NO.	QTY.	DESCRIPTION	
1	4390223	1	CRANKSHAFT ASSY. (includes item 15 and PLUGS indented below) (used prior to engine serial no. 19-01825)	
	4388249	1	CRANKSHAFT ASSY. (includes item 15 and PLUGS indented below) (effective engine serial no. 19-01825)	
	917673	6	PLUG, pipe, hex, ctsk., 1/8" (dryseal)	
2	4362310	1	KEY, crankshaft pulley	
3	4373265	1	GEAR, crankshaft	
	911021	1	KEY, woodruff #25, 5/16" x 1-1/2"	
4	4388178	1	PULLEY, fan drive	Effective engine serial no. 19-01456
5	4388179	1	DAMPER, vibration	
	917020	1	PIN, dowel, 7/16" x 1"	
6	4752075	6	BOLT, lock (1/2" NC x 1-1/4")	
7	4371503	1	WASHER, crankshaft pulley bolt	
8	4347897	1	CAPSCREW, crankshaft pulley	
9	4387031	4	BEARING, front & rear main (standard size)	
	4386480	4	BEARING, front & rear main (.010" undersize)	
	4386481	4	BEARING, front & rear main (.020" undersize)	
	4386482	4	BEARING, front & rear main (.030" undersize)	
	4386483	4	BEARING, front & rear main (.040" undersize)	

(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
10	4387032	8	BEARING, intermediate main (standard size)
	4386473	8	BEARING, intermediate main (.010" undersize)
	4386474	8	BEARING, intermediate main (.020" undersize)
	4386475	8	BEARING, intermediate main (.030" undersize)
	4386476	8	BEARING, intermeidate main (.040" undersize)
11	4386874	1	BEARING KIT, center main (standard size)
	4386875	1	BEARING KIT, center main (.010" undersize)
	4386876	1	BEARING KIT, center main (.020" undersize)
	4386877	1	BEARING KIT, center main (.030" undersize)
	4386878	1	BEARING KIT, center main (.040" undersize)
			NOTE: Each BEARING KIT listed above includes upper and lower bearings, set of standard thrust flanges and dowel Pins.
12	4386360	2	FLANGE, thrust, center main, upper (standard size)
	4386456	2	FLANGE, thrust, center main, upper (.005" oversize)
	4386457	2	FLANGE, thrust, center main, upper (.010" oversize)
	4386458	2	FLANGE, thrust, center main, upper (.015" oversize)
13	4386359	2	FLANGE, thrust, center main, lower (standard size)
	4386453	2	FLANGE, thrust, center main, lower (.005" oversize)
	4386454	2	FLANGE, thrust, center main, lower (.010" oversize)
	4386455	2	FLANGE, thrust, center main, lower (.015" oversize)
14	4250898	4	PIN, dowel, thrust flange
15	4372756	2	PIN, dowel, crankshaft flange
16	4388112	1	PULLEY, fan drive — Used prior to engine serial no. 19-01456
17	4389816	1	DAMPER, vibration (rear) — Used prior to engine serial no. 19-01456
18	4369655	1	DAMPER, vibration (front) — Used prior to engine serial no. 19-01456
	917020	2	PIN, dowel, 7/16" x 1" — Used prior to engine serial no. 19-01456
19	4377201	6	CAPSCREW, vibration damper (used prior to engine serial no. 19-01358)
	4255586	6	BOLT, lock (used on engine serial nos. 19-01358 thru 19-01455)
20	4305476	3	WIRE, locking, 16 ga. x 10" (used prior to engine serial no. 19-01358)



CYLINDER HEAD

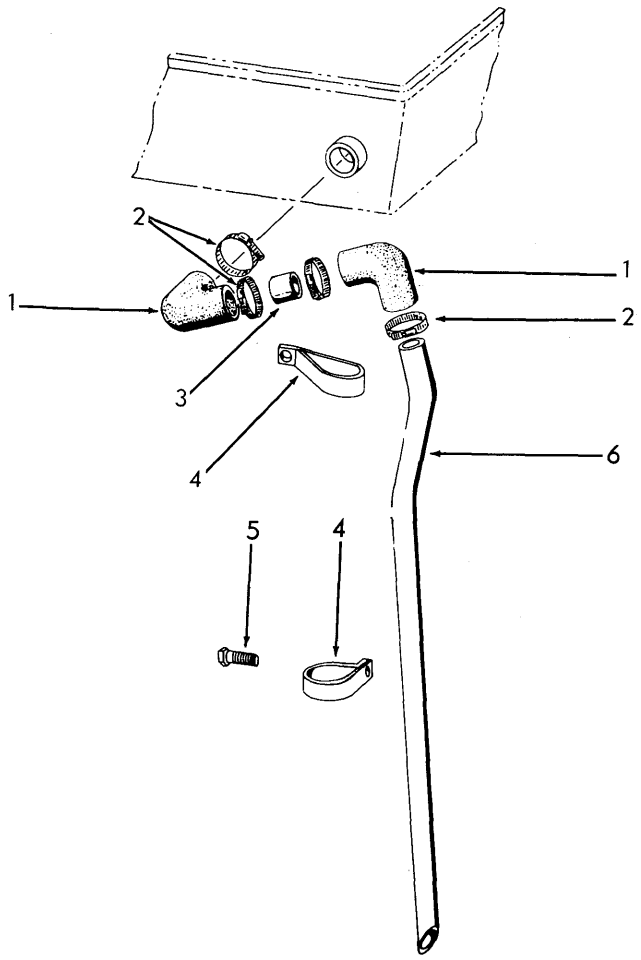
CYLINDER HEAD

ITEM	PART NO.	QTY.	DESCRIPTION
1	4389929	2	HEAD ASSY., cylinder (includes items 2 thru 7 and PLUGS indented below) (used prior to engine serial no. 19-01519)
	4388336	2	HEAD ASSY., cylinder (includes items 2 thru 7 and PLUGS indented below) (used on engine serial nos. 19-01519 thru 19-01868)
	4390675	2	HEAD ASSY., cylinder (includes items 2 thru 7 and PLUGS indented below) (effective 19000 Mark II engine serial no. 19-01869)
	917673	8	PLUG, pipe, hex-socket, 1/8" NPT
	907070	4	PLUG, pipe, ctsk-hd., 1/4" NPT (FIRST TYPE)
	904224	8	PLUG, pipe, ctsk-hd., 3/4" NPT
2	4386413	12	PIN, guide, valve bridge
3	4376484	6	SLEEVE, injection nozzle
4	4385301	12	GUIDE, intake valve
5	4386624	12	GUIDE, exhaust valve
6	4386625	12	INSERT, exhaust valve seat (std. size) — Used prior to engine serial no. 19-01869
	4386654	12	INSERT, exhaust valve seat (.005" oversize) — Used prior to engine serial no. 19-01869
	4390679	12	INSERT, exhaust valve seat (std. size) — Effective engine serial no. 19-01869
	4390734	12	INSERT, exhaust valve seat (.005" oversize) — Effective engine serial no. 19-01869
7	4386628	12	INSERT, intake valve seat (std. size)
	4386653	12	INSERT, intake valve seat (.005" oversize)
8	4386790	12	VALVE, intake
9	4386791	12	VALVE, exhaust (used prior to engine serial no. 19-01869)
	4390677	12	VALVE, exhaust (effective engine serial no. 19-01869)
10	4389685	24	SEAT, valve spring
11	4389294	24	SPRING ASSY., valve (includes item 12)
12	4389293	24	DAMPER, valve spring
13	4389397	12	ROTOCOIL ASSY., intake valve (serviced only as a unit)
14	4389397	12	ROTOCOIL ASSY., exhaust valve (serviced only as a unit) (used prior to engine serial no. 19-01869)
	4390678	12	RETAINER, exhaust valve spring (effective engine serial no. 19-01869)
15	4376497	48	LOCK, valve stem
16	-------	2	GASKET, cylinder head (compression seat) (not illustrated - used prior to engine serial no. 19-01729 - order item 17)
	4390043	6	☐ GASKET, cylinder head liner (compression seal) (as illustrated - effective engine serial no. 19-01729 and up)

(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
17	-------	2	GASKET, cylinder head (oil and water seal) (used prior to engine serial no. 19-01729 - order 4390170 Gasket Assy.)
	4390170	2	☐ GASKET ASSY., cylinder head (includes item 16) (effective engine serial no. 19-01729 and up)
18	4388520	30	CAPSCREW, cylinder head (5/8" NC x 7")
19	4388521	2	CAPSCREW, cylinder head (5/8" NC x 6")
20	4389910	32	WASHER, cylinder head capscrew (5/8" hole)
21	4389821	8	CAPSCREW, cylinder head (3/4" NC x 7-1/4")
22	4386386	8	WASHER, cylinder head capscrew (3/4" hole) (prior to engine serial no. 19-01519)
	4388370	8	WASHER, cylinder head capscrew (3/4" hole) (effective engine serial no. 19-01519)
23	4387460	2	GASKET, lower cover (used prior to engine serial no. 19-01534)
	4389960	2	☐ GASKET, lower cover (effective engine serial no. 19-01534)
24	4386597	1	COVER, lower section front
	4386598	1	COVER, lower section rear
	916272	4	CAPSCREW, 3/8" NC x 1-1/4"
	904206	4	LOCKWASHER, 3/8"
	913544	4	WASHER, plain, 3/8"
25	4387461	2	GASKET, rocker cover (used prior to engine serial no. 19-01534)
	4389961	2	☐ GASKET, rocker cover (effective engine serial no. 19-01534)
26	4386901	2	COVER, rocker
27	4254873	8	☐ WASHER, sealing, rocker cover capscrew
28	4386421	7	CAPSCREW, rocker cover
29	4387567	1	BOLT, rocker cover (used prior to engine serial no. 19-01721)
	4389965	1	BOLT, rocker cover (effective engine serial no. 19-01721)
	914847	1	CAPSCREW, rocker cover (3/8" NC x 1-1/2")
	913544	1	WASHER, plain, 3/8" (used prior to engine serial no. 19-01721)
30	4386941	1	COUPLING, breather, cylinder head cover
31	4387976	1	EYE, engine lifting, rear (effective engine serial no. 19-01765. Also used for front lifting eye prior to engine serial no. 19-01869)
	-------	1	BRACKET, coolant filter/front lifting eye (effective engine serial no. 19-01869 - See COOLANT FILTER)
	916311	6	CAPSCREW, 1/2" NC x 1-1/2" } Effective engine serial
	904208	6	LOCKWASHER, 1/2" } no. 19-01765 and up
32	4376893	2	EYE, engine lifting
	915987	6	CAPSCREW, 1/2" NC x 1-1/2" } Used prior to engine
	904208	6	LOCKWASHER, 1/2" } serial no. 19-01765

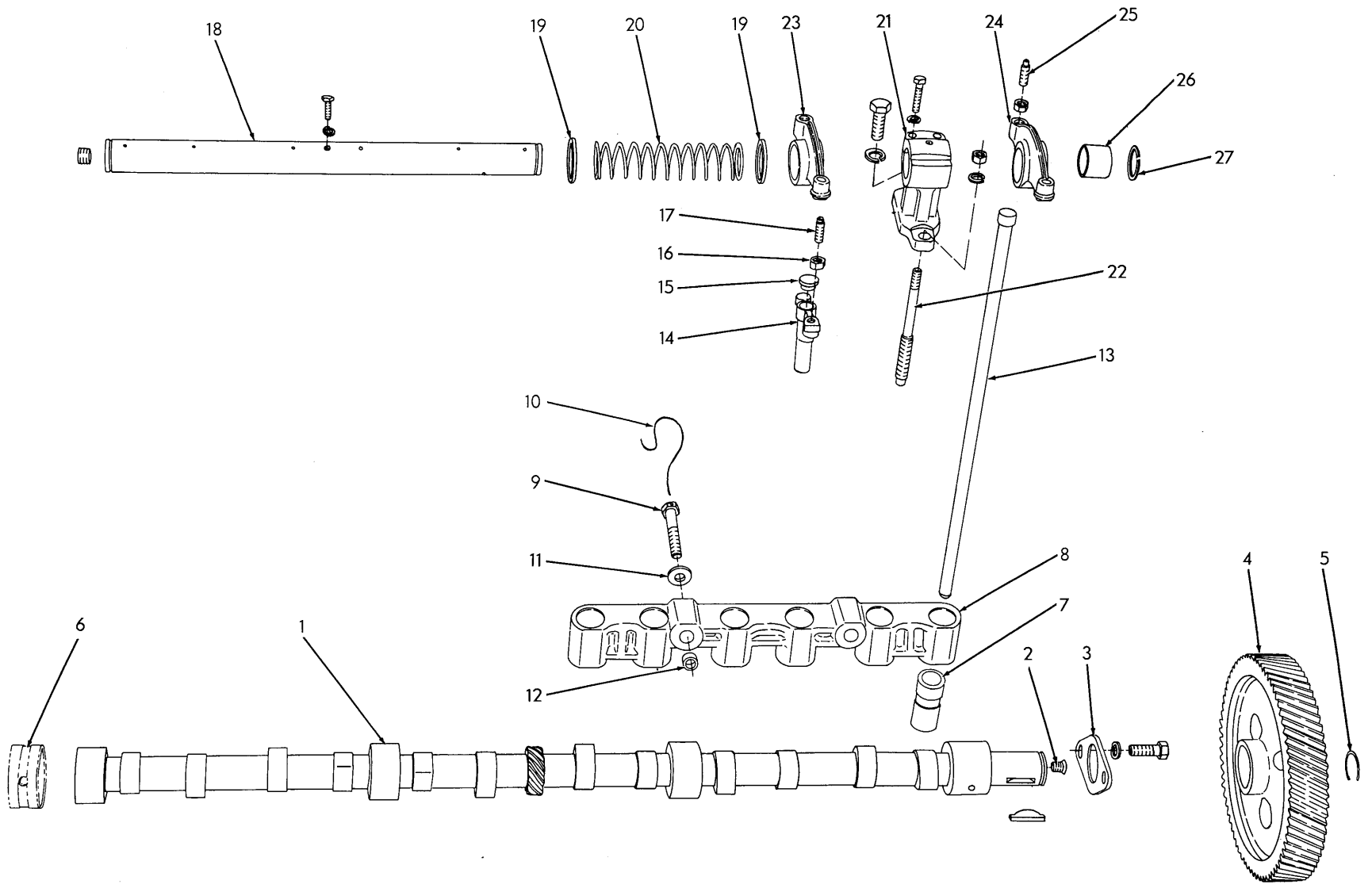
☐ Also see PACKAGED PARTS



T-37996-A

ENGINE BREATHER

ITEM	PART NO.	QTY.	DESCRIPTION
1	4255351	2	ELBOW, breather tube (rubber)
2	4255011	4	CLAMP, hose
3	4387560	1	TUBE, connector
4	4255361	2	CLAMP, tube, supporting
5	921865	1	CAPSCREW, nylok, 1/2" NC x 1"
6	4387675	1	TUBE, breather (vinyl coated)



VALVE OPERATING MECHANISM

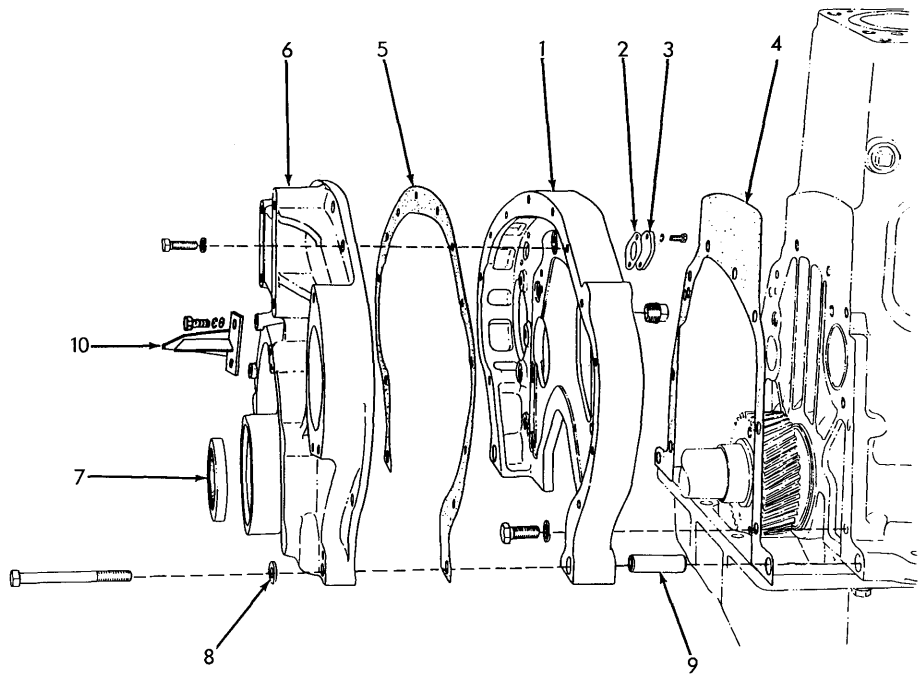
VALVE OPERATING MECHANISM

ITEM	PART NO.	QTY.	DESCRIPTION
1	4390217	1	CAMSHAFT
2	4001318	1	PLUG, camshaft oil hole
3	4386776	1	PLATE, thrust
	916311	2	CAPSCREW, 1/2" NC x 1-1/4"
	904208	2	LOCKWASHER, 1/2"
4	4389053	1	GEAR, camshaft (used prior to engine serial no. 19-01565)
	4389954	1	GEAR, camshaft (used on engine serial nos. 19-01565 thru 19-01868)
	4390661	1	GEAR, camshaft (effective engine serial no. 19-01869 and up)
	917031	1	KEY, #128 woodruff, 5/16" x 2-1/8" (used prior to engine serial no. 19-01565)
	923738	1	KEY, hi-pro, 5/16" x 2-1/8" (effective engine serial no. 19-01565 and up)
5	4254295	1	RING, snap, gear retaining
6	-------	-	BEARING, camshaft (See CYLINDER BLOCK)
7	4386821	12	LIFTER, valve (used prior to engine serial no. 19-01494)
	4389645	12	LIFTER, valve (effective engine serial no. 19-01494 and up)
8	4386787	1	BRACKET, valve lifter, front
	4386788	1	BRACKET, valve lifter, rear
9	4376278	4	CAPSCREW, drilled hd., 1/2" NC x 3" (used prior to engine serial no. 19-01863)
	915969	4	CAPSCREW, 1/2" NC x 3" (effective engine serial no. 19-01863)
10	4374018	2	WIRE, locking, 1/16" x 20" (used prior to engine serial no. 19-01863)
11	4376277	4	WASHER, valve lifter bracket capscrew
12	4303038	4	DOWEL, valve lifter bracket
13	4386414	12	ROD, push
14	4390270	12	BRIDGE ASSY., valve (includes items 15 thru 17)
15	4376538	12	INSERT, valve bridge
16	4348440	12	NUT, valve bridge adjustment screw
17	4390254	12	SCREW, valve bridge adjustment
18	4386390	2	SHAFT ASSY., rocker arm (includes PLUGS indented below) (used prior to engine serial no. 19-01736)
	4390117	2	SHAFT ASSY., rocker arm (includes PLUGS indented below) (effective engine serial no. 19-01736)
	918887	4	PLUG, pipe, hex socket, 3/8" NPT
	915406	2	CAPSCREW, 1/4" NC x 3/4"
	904204	2	LOCKWASHER, 1/4"

(Continued)

VALVE OPERATING MECHANISM (Cont.)

ITEM	PART NO.	QTY.	DESCRIPTION
19	4386406	8	RETAINER, rocker arm
20	4386405	4	SPRING, rocker shaft
21	4389317	6	BRACKET, rocker shaft
	916311	6	CAPSCREW, 1/2" NC x 1-1/4" (attaching)
	904208	6	LOCKWASHER, 1/2"
	915807	12	CAPSCREW, 5/16" NC x 1-1/4"
	904205	12	LOCKWASHER, 5/16"
22	4377541	6	STUD, rocker shaft bracket (also retains injection nozzle holder)
	910325	6	NUT, 1/2" NC
	904208	6	LOCKWASHER, 1/2"
23	4386398	4	ARM ASSY., rocker, intake valve nos. 1, 2, 4, 5 (includes items 25 and 26) (used prior to engine serial no. 19-01678)
	4388426	4	ARM ASSY., rocker, intake valve nos. 1, 2, 4, 5 (includes items 25 and 26) (effective engine serial no. 19-01678)
	4386401	2	ARM ASSY., rocker, exhaust valve nos. 3, 6 (includes items 25 and 26) (used prior to engine serial no. 19-01678)
	4388427	2	ARM ASSY., rocker, exhaust valve nos. 3, 6 (includes items 25 and 26) (effective engine serial no. 19-01678)
24	4386392	4	ARM ASSY., rocker, exhaust valves no. 1, 2, 4, 5 (includes items 25 and 26) (used prior to engine serial no. 19-01678)
	4388424	4	ARM ASSY., rocker, exhaust valves no. 1, 2, 4, 5 (includes items 25 and 26) (effective engine serial no. 19-01678)
	4386395	2	ARM ASSY., rocker, intake valves no. 3, 6 (includes items 25 and 26) (used prior to engine serial no. 19-01678)
	4388425	2	ARM ASSY., rocker, intake valves no. 3, 6 (includes items 25 and 26) (effective engine serial no. 19-01678)
25	4336646	12	SCREW, valve lash adjustment
	4348440	12	NUT, lock, valve screw
26	4386407	12	BUSHING, rocker arm (used prior to engine serial no. 19-01678)
	4388428	12	BUSHING, rocker arm (effective engine serial no. 19-01678)
27	4253190	4	RING, snap, rocker arm shaft



T-13103-A

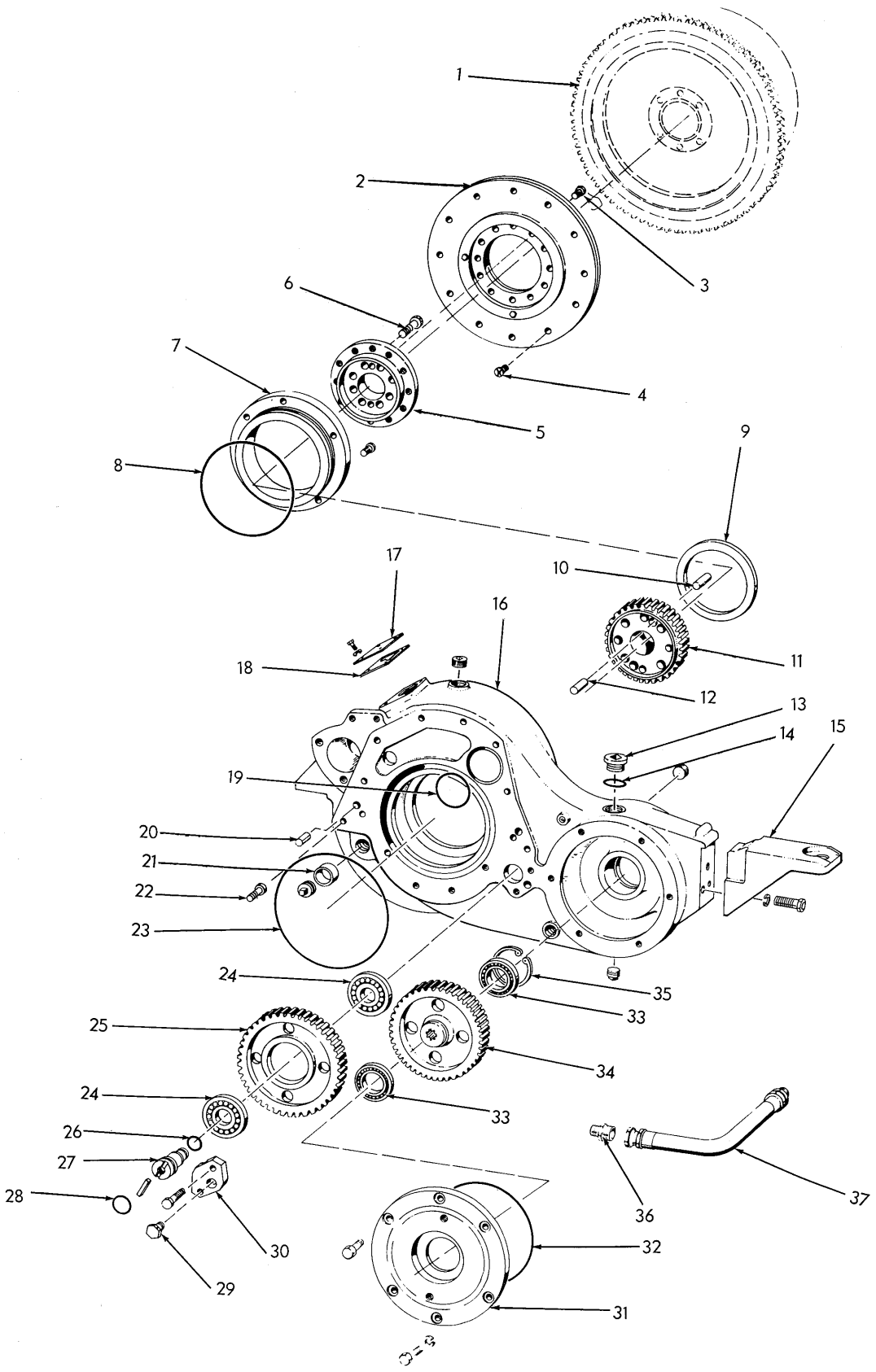
FRONT HOUSING

ITEM	PART NO.	QTY.	DESCRIPTION
1	4389784	1	HOUSING, front
	916311	8	CAPSCREW, 1/2" NC x 1-1/4"
	904208	8	LOCKWASHER, 1/2"
2	4371027	1	☐ GASKET, cover
3	4375501	1	COVER (used prior to engine serial no. 19-01869) (for special Heavy Duty Oil Filter - see page 51)
	-------	1	COVER (effective engine serial no. 19-01869 - see page 52)
	915408	2	CAPSCREW, 3/8" NC x 3/4"
	904206	2	LOCKWASHER, 3/8"
4	4660492	1	☐ GASKET, gear housing
5	4376609	1	☐ GASKET, gear housing cover
6	4387723	1	COVER, timing gear housing
	916321	2	CAPSCREW, 1/2" NC x 4-1/2" (for dowels)
	919224	7	CAPSCREW, 3/8" NC x 1-1/8"
	916274	2	CAPSCREW, 3/8" NC x 2-1/4"
	904206	9	LOCKWASHER, 3/8"
7	4338507	1	SEAL, oil, crankshaft (used prior to engine serial no. 19-01777)
	4026447	1	SEAL, oil, crankshaft (effective engine serial no. 19-01777)
8	4371445	2	WASHER, plain, cover capscrew (1/2" hole)
9	4371444	2	DOWEL, hollow, gear housing

(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION	
10	4388066	1	POINTER ASSY., timing (welded)	Used prior to engine serial no. 19-01473
	917132	2	CAPSCREW, 1/2" NC x 5/8"	
	904208	2	LOCKWASHER, 1/2"	
	910244	2	WASHER, plain, SAE std., 1/2"	
	4388400	1	POINTER ASSY., timing (welded)	Effective engine serial no. 19-01473 and up
	916309	2	CAPSCREW, 1/2" NC x 3/4"	
	910244	2	WASHER, plain, SAE std., 1/2"	
	904208	2	LOCKWASHER, 1/2"	

☐ Also see PACKAGED PARTS



T-70143

FLYWHEEL HOUSING

FLYWHEEL HOUSING

USAGE: Power Shift Tractor Model T260E

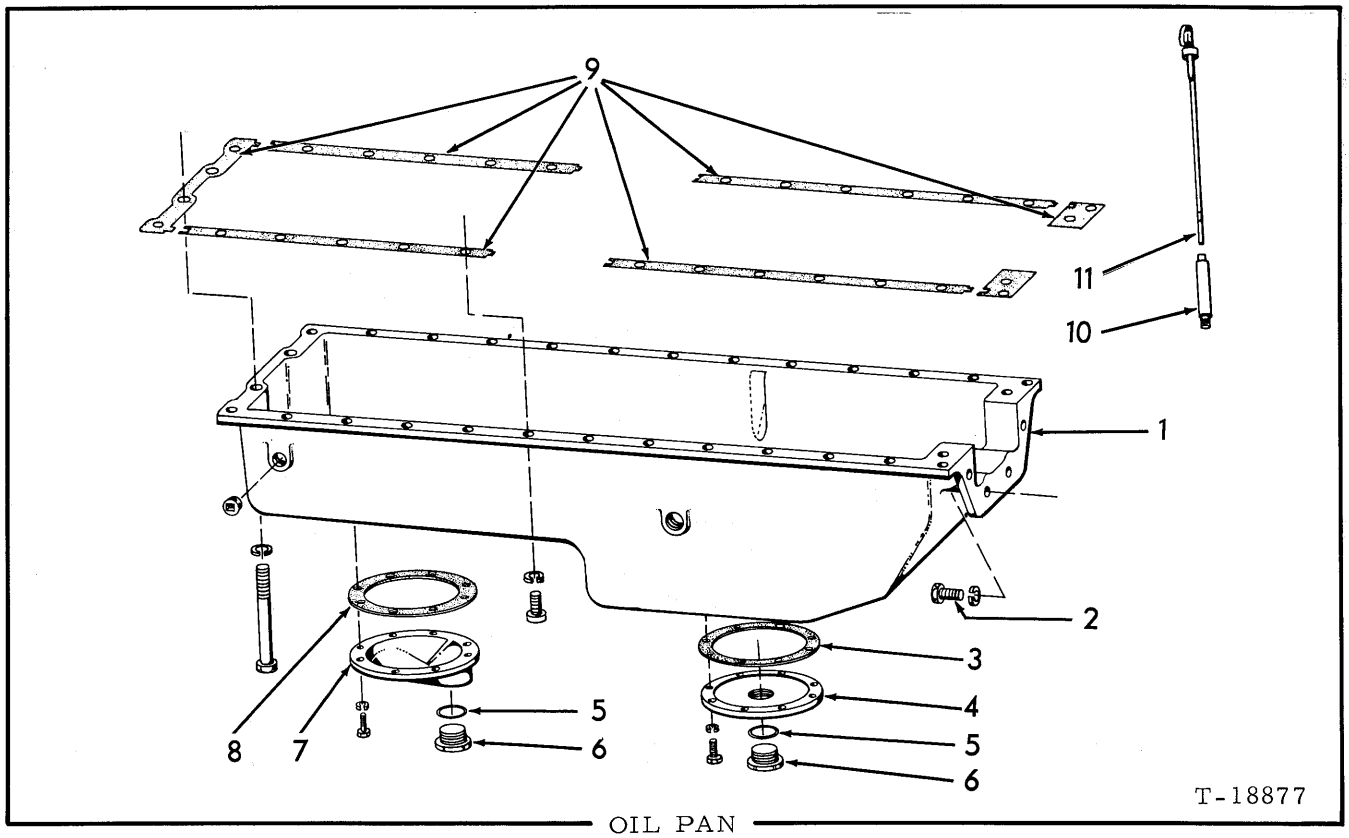
ITEM	PART NO.	QTY.	DESCRIPTION
1	-------	1	HOUSING ASSY., rotating (includes ring gear) (See TORQUE CONVERTER)
2	4033812	1	PLATE KIT, flex (serviced only as a unit)
3	4388089	12	CAPSCREW, flex plate to adapter (drilled hd., 1/2" NF x 3/4")
4	188121	12	BOLT, place, flex plate to rotating housing (self-locking, 1/2" NC x 1")
5	4388052	1	ADAPTER, flex plate
6	4255471	8	BOLT, place, adapter
7	4388127	1	ADAPTER, seal
8	4254783	1	O-RING
9	4387509	1	SEAL, oil, rear (double lip)
10	4372756	2	PIN, dowel, drive gear
11	4388122	1	GEAR ASSY., pump drive (49 T.) (includes item 10)
12	-------	2	PIN, dowel (See CRANKSHAFT ASSY.)
13	035250	1	PLUG, filler
14	035249	1	☐ GASKET, filler plug
15	4378382	1	BRACKET, flywheel housing
	920320	3	CAPSCREW, 3/4" NF x 2-1/4"
	904369	3	LOCKWASHER, 3/4"
16	4388135	1	HOUSING ASSY., flywheel (includes item 21)
	920133	2	PLUG, pipe, sq. hd., 3/4"
	920333	1	PLUG, pipe, hex hd., 3/8"
	901666	1	PLUG, pipe, sq. ctsk., 1"
17	4386650	1	COVER
	915813	4	CAPSCREW, 5/16" NC x 7/8"
	904205	4	LOCKWASHER, 5/16"
18	4386664	1	☐ GASKET, cover
19	4253355	1	☐ O-RING, camshaft bearing
20	4373716	2	PIN, dowel, flywheel housing
21	4388047	1	TUBE, flywheel housing
	912769	1	PLUG, pipe, 1-1/4"
22	4255335	2	BOLT, self-lockin g (1/2" NC x 2-1/8")
	4255334	8	BOLT, self-locking (1/2" NC x 1-3/8")
	-------	4	CAPSCREW (See OIL PAN)
23	4336897	1	☐ O-RING, flywheel housing

(Continued)

FLYWHEEL HOUSING (Cont.)

ITEM	PART NO.	QTY.	DESCRIPTION
24	4251323	2	BEARING, idler gear (includes Snap Ring)
25	4388124	1	GEAR, idler (60 T.)
26	4373382	1	☐ O-RING, idler pin
27	4388229	1	PIN, idler gear axle
	918167	1	KEY, parallel, 3/8" x 3/8" x 1-1/2"
28	4373381	1	☐ O-RING, seal, idler gear pin
29	4388227	1	SCREW, taper hd., adjusting (nylok)
30	4385391	1	PLATE, idler pin retainer
	920540	2	CAPSCREW, nylok, 1/2" NC x 1-1/4"
31	4388126	1	ADAPTER, pump
	920540	3	CAPSCREW, nylok, 1/2" NC x 1-1/4" } Used prior to engine
	916311	3	CAPSCREW, 1/2" NC x 1-1/4" } serial no. 19-01459
	904208	3	LOCKWASHER, 1/2" }
	924175	6	CAPSCREW, nylok, 1/2" NF x 1" (effective engine serial no. 19-01459 and up)
32	924020	1	O-RING, pump adapter
33	4388235	2	BEARING, drive gear
34	4388125	1	GEAR, pump drive (43 T.)
35	4254325	1	RETAINER, bearing
36	180986	1	CONNECTOR, hose, male, 3/8" NPTF
37	180985	1	HOSE ASSY.

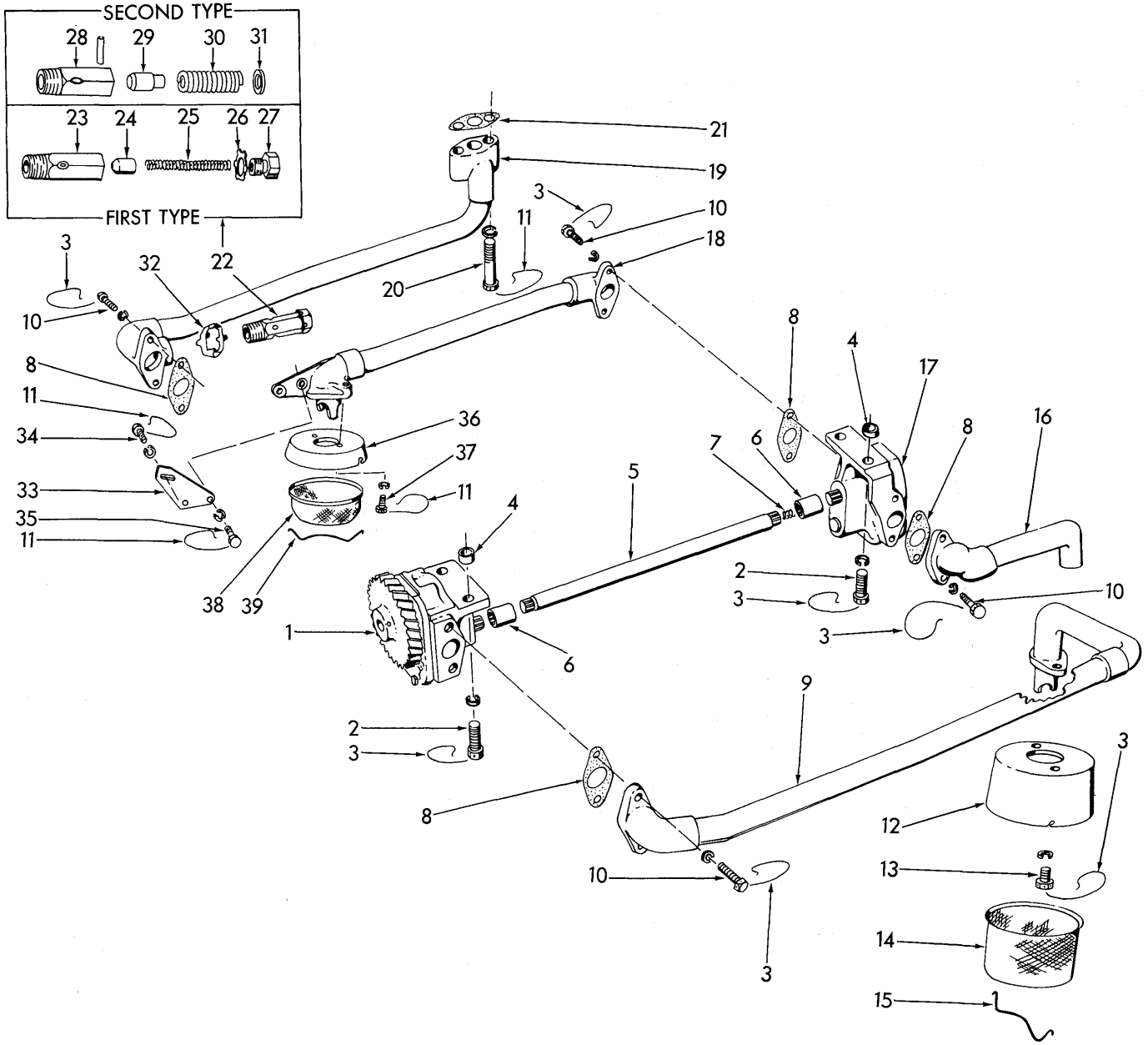
☐ Also see PACKAGED PARTS



OIL PAN

ITEM	PART NO.	QTY.	DESCRIPTION
1	4388913	1	PAN, oil
	918683	1	CAPSCREW, 1/2" NC x 1-1/8"
	919230	27	CAPSCREW, 1/2" NC x 1-3/8"
	916324	2	CAPSCREW, 1/2" NC x 6"
	904208	30	LOCKWASHER, 1/2"
	920416	2	PLUG, pipe, hex-hd., 1/2"
	920525	1	PLUG, pipe, hex-hd., 3/4"
	921073	2	PLUG, pipe, hex-hd., 1"
2	918683	4	CAPSCREW, 1/2" NC x 1-1/8"
	904208	4	LOCKWASHER, 1/2"
3	4371289	1	☐ GASKET, clean-out hole cover
4	4371255	1	PLATE, rear clean-out hole
	916271	8	CAPSCREW, 3/8" NC x 1"
	904206	8	LOCKWASHER, 3/8"
5	035249	2	☐ GASKET, drain plug
6	035250	2	PLUG, oil drain
7	4373770	1	COVER, front oil clean-out hole
	916271	8	CAPSCREW, 3/8" NC x 1"
	904206	8	LOCKWASHER, 3/8"
8	4373069	1	☐ GASKET, cover
9	4365129	1	GASKET SET, oil pan
10	4378537	1	ADAPTER, oil level gauge
11	4378540	1	GAUGE ASSY., oil level (includes SEAL)
	4506607	1	SEAL, oil level gauge (not illustrated)
12	4387658	1	TAG, warning, oil pan (not illustrated)
	904516	4	SCREW, drive, #6 x 1/4"

☐ Also see PACKAGED PARTS



OIL PUMPS (FIRST TYPE)

OIL PUMPS (FIRST TYPE)

USAGE: Used on 19000 engines thru serial no. 19-01868

ITEM	PART NO.	QTY.	DESCRIPTION
1	-------	1	PUMP ASSY., pressure (See page 44)
2	4374547	4	CAPSCREW, socket hd., drilled (7/16" NC x 1-1/2")
	904207	4	LOCKWASHER, 7/16"
3	4509035	8	WIRE, locking, 18 ga. x 10"
4	4371253	4	DOWEL, hollow
5	4385537	1	SHAFT, drive, scavenging pump drive
6	4385536	2	COUPLING, splined, pump drive
7	4385715	1	SPRING, coupling
8	4371345	4	☐ GASKET, flange
9	4387657	1	LINE, suction, pressure pump
10	4377164	8	CAPSCREW, drilled (3/8" NC x 1-1/4")
	904206	8	LOCKWASHER, 3/8"
11	4348691	3	WIRE, locking, 18 ga. x 6"
12	4389732	1	COVER, oil pump suction screen
13	4374218	2	CAPSCREW, drilled (5/16" NC x 1-1/4")
14	4374127	1	SCREEN, oil pump suction
15	4376294	1	RETAINER, suction screen
16	4388562	1	LINE, discharge, scavenging pump
17	-------	1	PUMP ASSY., scavenging (See page 46)
18	4375566	1	LINE, suction, scavenging pump
19	4375613	1	LINE, discharge, pressure pump
20	4374499	2	CAPSCREW, drilled (1/2" NC x 2-3/4")
	904208	2	LOCKWASHER, 1/2"
21	4660423	1	☐ GASKET, discharge line
22	4339204	1	VALVE ASSY., relief (includes items 23 thru 27) (used prior to engine serial no. 19-01495)
	4354573	1	VALVE ASSY., relief (includes items 28 thru 31) (effective engine serial no. 19-01495)
23	-------	1	BODY, relief valve
24	-------	1	PISTON, relief valve
25	-------	1	SPRING, relief valve
26	-------	1	WASHER, tab, relief valve
27	-------	1	CAP, relief valve

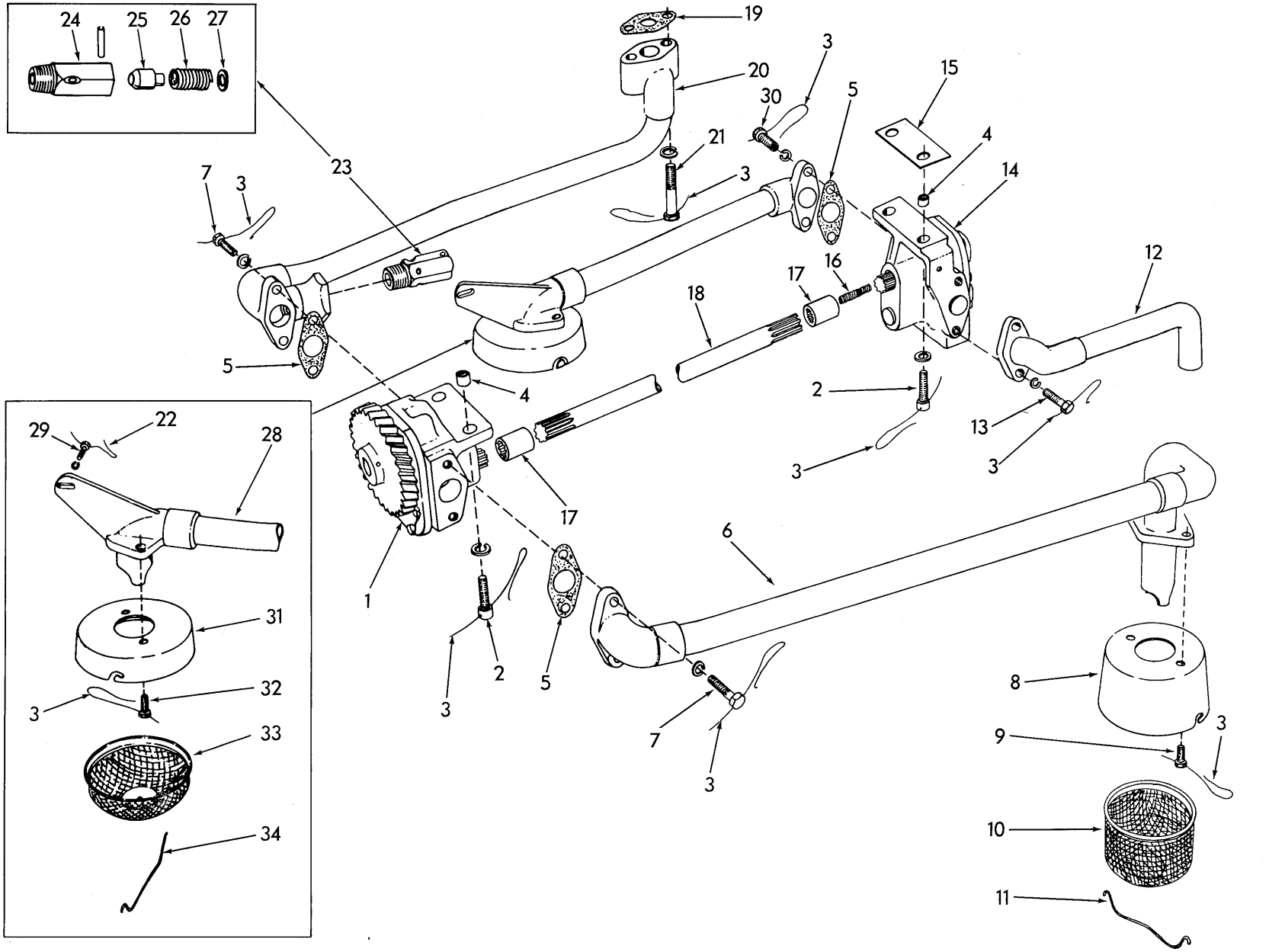
Used prior to engine serial no. 19-01495 - replace with item 22

(Continued)

OIL PUMPS (FIRST TYPE) (Cont.)

ITEM	PART NO.	QTY.	DESCRIPTION	
28	-------	1	BODY, relief valve (not serviced separately - order item 22)	Effective engine serial no. 19-01495
	916001	1	PIN, roll, 3/16" x 1"	
29	-------	1	PISTON, relief valve (not serviced separately - order item 22)	
30	4354568	1	SPRING, relief valve	
31	913168	1	WASHER, plain, 9/32" I.D. x 5/8" O.D.	
32	4347938	1	LOCK, relief valve	
33	4373894	1	BRACKET, suction line	
34	4320227	1	CAPSCREW, drilled, 5/16" NC x 7/8"	
	904205	1	LOCKWASHER, 5/16"	
	910335	2	WASHER, plain, 5/16"	
35	4365867	2	CAPSCREW, drilled (3/8" NC x 1")	
	904206	2	LOCKWASHER, 3/8"	
36	4348684	1	COVER, suction screen	
37	4374129	2	CAPSCREW, drilled (5/16" NC x 3/4")	
38	4348683	1	SCREEN, suction line	
39	4348682	1	RETAINER	

☐ Also see PACKAGED PARTS



OIL PUMPS (SECOND TYPE)

OIL PUMPS (SECOND TYPE)

USAGE: Effective Engine Model 19000 Mark II serial no. 19-01869 and up

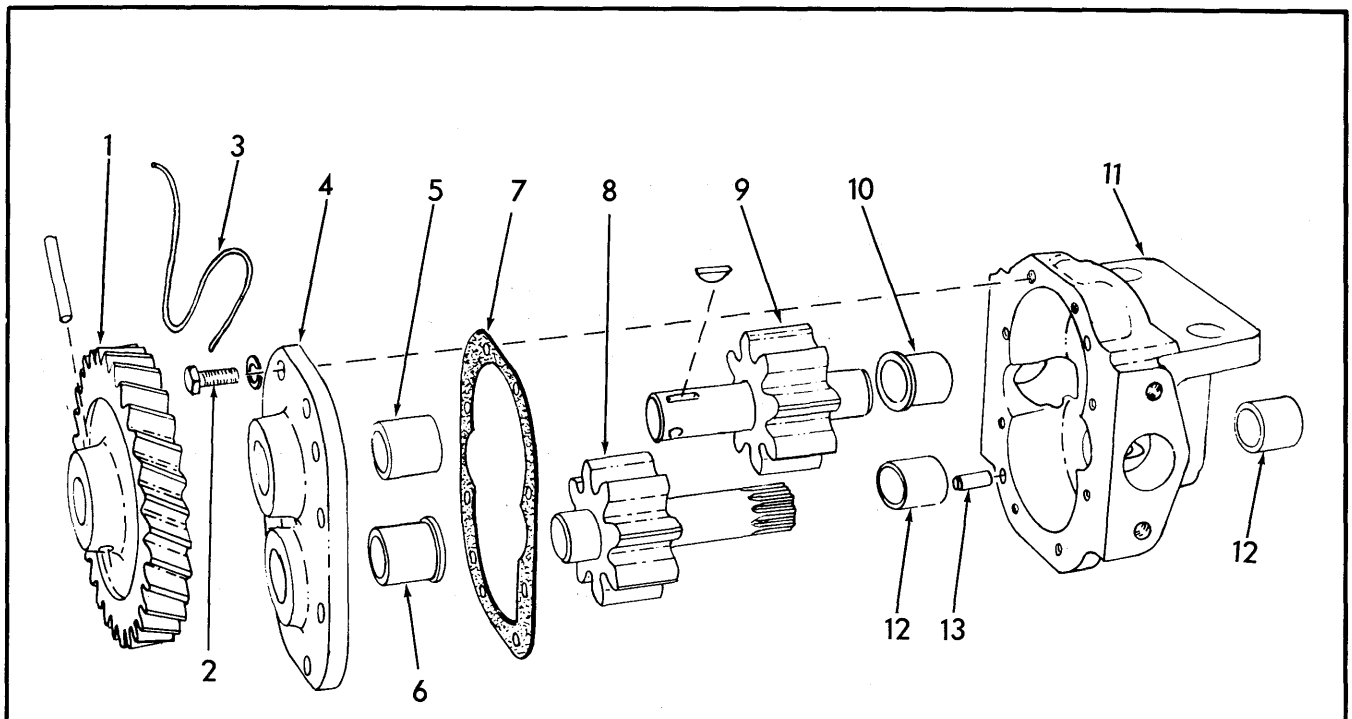
ITEM	PART NO.	QTY.	DESCRIPTION
1	-------	1	PUMP ASSY., pressure (See page 44)
2	4374547	4	CAPSCREW, drilled hd. (7/16" NC x 1-1/2")
	904207	4	LOCKWASHER, 7/16"
3	4509035	8	WIRE, locking, #18 x 10"
4	4371253	4	DOWEL, hollow, pump
5	4389782	3	☐ GASKET
6	4386072	1	LINE, suction, pressure pumps
7	4378558	4	CAPSCREW, drilled hd. (3/8" NC x 1-1/8")
	904206	4	LOCKWASHER, 3/8"
8	4389732	1	COVER, pressure pump oil screen
9	4374218	2	CAPSCREW, drilled hd. (5/16" NC x 1-1/4")
10	4374127	1	SCREEN, pressure oil pump
11	4376294	1	RETAINER
12	4388562	1	LINE, discharge, scavenging pump
13	4377164	2	CAPSCREW, drilled hd. (3/8" NC x 1-1/4")
	904206	2	LOCKWASHER, 3/8"
14	-------	1	PUMP ASSY., scavenging (See page 47)
15	4386384	1	SHIM PACK, scavenging pump
16	4385715	1	SPRING, pump drive shaft
17	4385536	2	COUPLING, splined, scavenging pump drive
18	4385537	1	SHAFT, scavenging pump drive
19	4660423	1	☐ GASKET, discharge line block
20	4388261	1	TUBE, pressure pump discharge
21	4364556	2	CAPSCREW, drilled hd. (1/2" NC x 2-3/4")
	904208	2	LOCKWASHER, 1/2"
22	4348691	1	WIRE, locking, #18 x 6"
23	4354573	1	VALVE ASSY., oil pressure relief (includes items 24 thru 27)
24	-------	1	BODY, relief valve (not serviced separately - order item 23)
	916001	1	PIN, roll, 3/16" x 1"
25	-------	1	PISTON, relief valve (not serviced separately - order item 23)

(Continued)

OIL PUMPS (SECOND TYPE) (Cont.)

ITEM	PART NO.	QTY.	DESCRIPTION
26	4354568	1	SPRING, relief valve
27	913168	1	WASHER, plain, 9/32" I.D. x 5/8" O.D.
28	4386279	1	TUBE, suction, scavenging pump
29	4335600	1	CAPSCREW, drilled hd. (5/16" NC x 3/4")
	904205	1	LOCKWASHER, 5/16"
30	4335548	2	CAPSCREW, drilled hd. (3/8" NC x 1-7/8")
	904206	2	LOCKWASHER, 3/8"
31	4348684	1	COVER, scavenging pump
32	4374129	2	CAPSCREW, drilled hd. (5/16" NC x 3/4")
33	4348683	1	SCREEN, scavenging oil pump
34	4348682	1	RETAINER, scavenging oil pump screen

☐ Also see PACKAGED PARTS



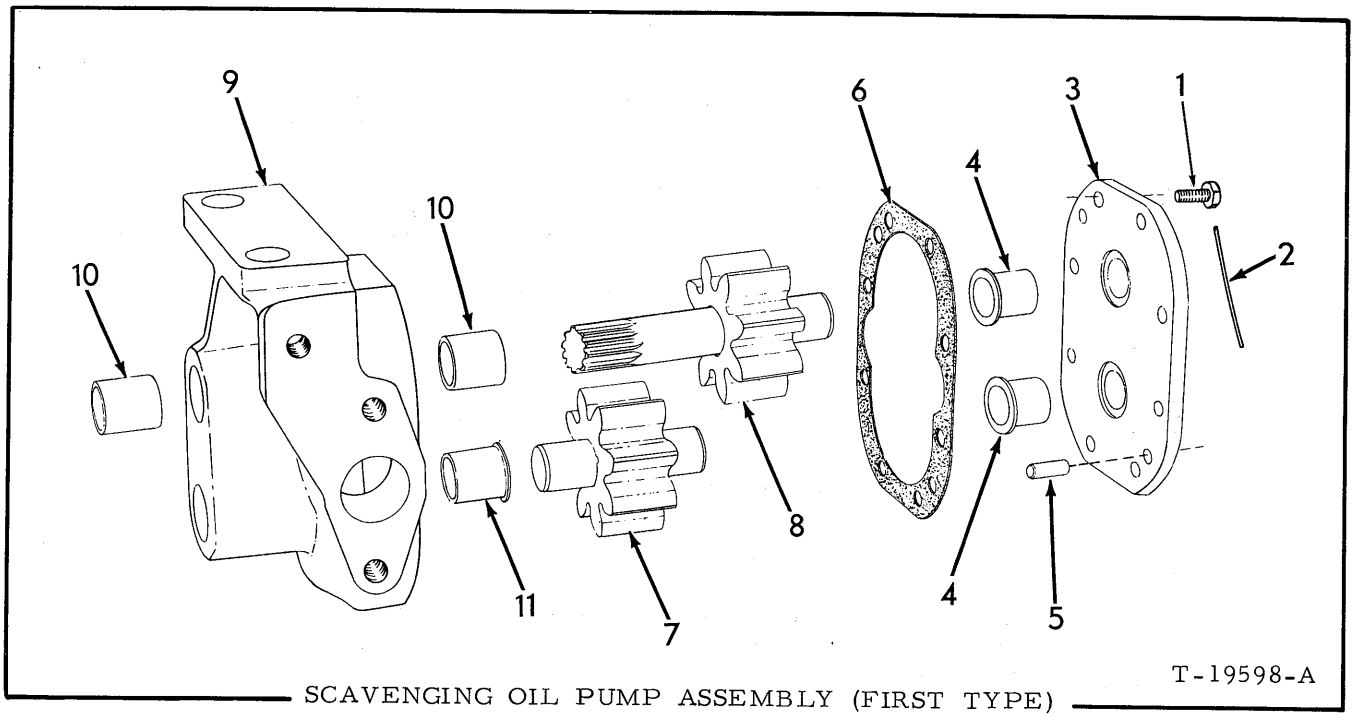
PRESSURE OIL PUMP ASSEMBLY

PRESSURE OIL PUMP ASSEMBLY

USAGE: See OIL PUMPS

* - Used prior to 19000 engine serial no. 19-01869
** - Effective 19000 Mark II engine serial no. 19-01869

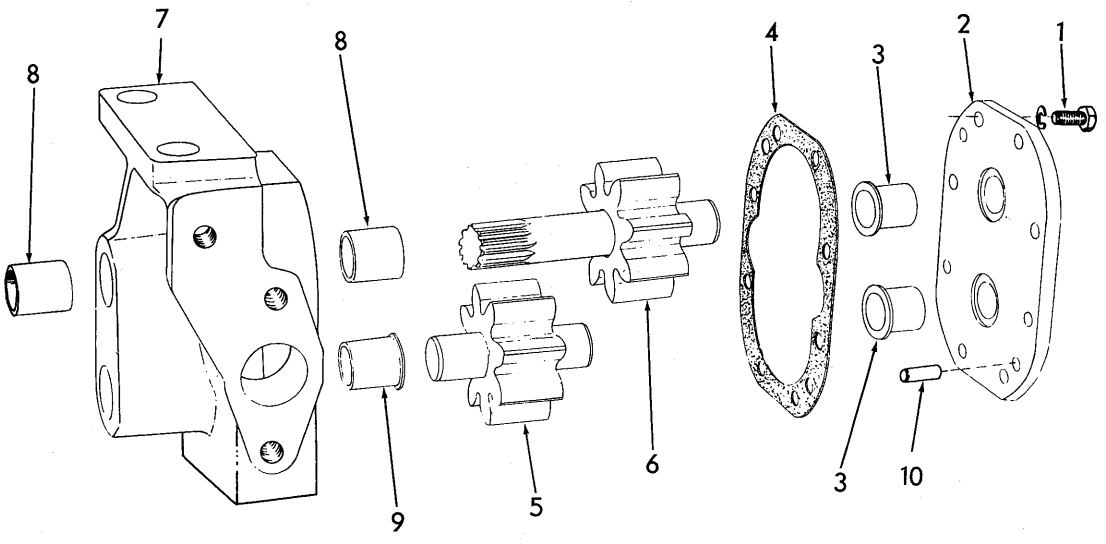
ITEM	PART NO.	QUANTITY *	QUANTITY **	DESCRIPTION
-	4389980	1	-	PUMP ASSY., pressure (includes items 1 thru 13) (used prior to engine serial no. 19-01641)
	4390076	1	-	PUMP ASSY., pressure (includes items 1 thru 13) (used on engine serial nos. 19-01641 thru 19-01868)
	4390252	-	1	PUMP ASSY., pressure (includes items 1, 2, 4 thru 13)
1	4389054	1	-	GEAR, driving
	915989	1	-	PIN, roll, 3/16" x 1-3/8"
	4386088	-	1	GEAR, driving (27 T.)
	915751	-	1	PIN, roll, 3/16" x 1-1/2"
	910224	1	1	KEY, #6 woodruff, 5/32" x 5/8"
2	4377056	8	-	CAPSCREW, pump cover, drilled hd. (FIRST TYPE)
	923408	8	8	CAPSCREW, 1/4" NC x 3/4" } SECOND TYPE
	904204	8	8	LOCKWASHER, 1/4" } SECOND TYPE
3	4353538	4	-	WIRE, locking, 1/16" x 8" (FIRST TYPE)
4	4377037	1	1	COVER ASSY. (includes items 5 and 6)
5	4371270	1	1	BUSHING, pump cover (plain)
6	4377038	1	1	BUSHING, pump cover (flanged)
7	4371300	1	-	GASKET, cover
	4386083	-	1	GASKET, cover
8	4379415	1	1	SHAFT & GEAR ASSY., driven (8 T.)
9	4379414	1	-	SHAFT & GEAR ASSY., drive (8 T.) (used prior to engine serial no. 19-01641)
	4390078	1	-	SHAFT & GEAR ASSY., drive (8 T.) (used on engine serial nos. 19-01641 thru 19-01868)
	4390067	-	1	SHAFT & GEAR ASSY., drive (10 T.)
10	4377039	1	1	BUSHING, pump body (flanged)
11	4379411	1	-	BODY ASSY. (includes items 10 and 12) (used prior to engine serial no. 19-01641)
	4390075	1	-	BODY ASSY. (includes items 10, 12 and 13) (used on engine serial nos. 19-01641 thru 19-01868)
	4390064	-	1	BODY ASSY. (includes items 10, 12 and 13)
12	4371270	2	2	BUSHING, pump body (plain)
13	917555	2	2	PIN, dowel, 1/4" x 5/8"



SCAVENGING OIL PUMP ASSEMBLY (FIRST TYPE)

USAGE: Prior to engine serial no. 19-01869 - see OIL PUMPS

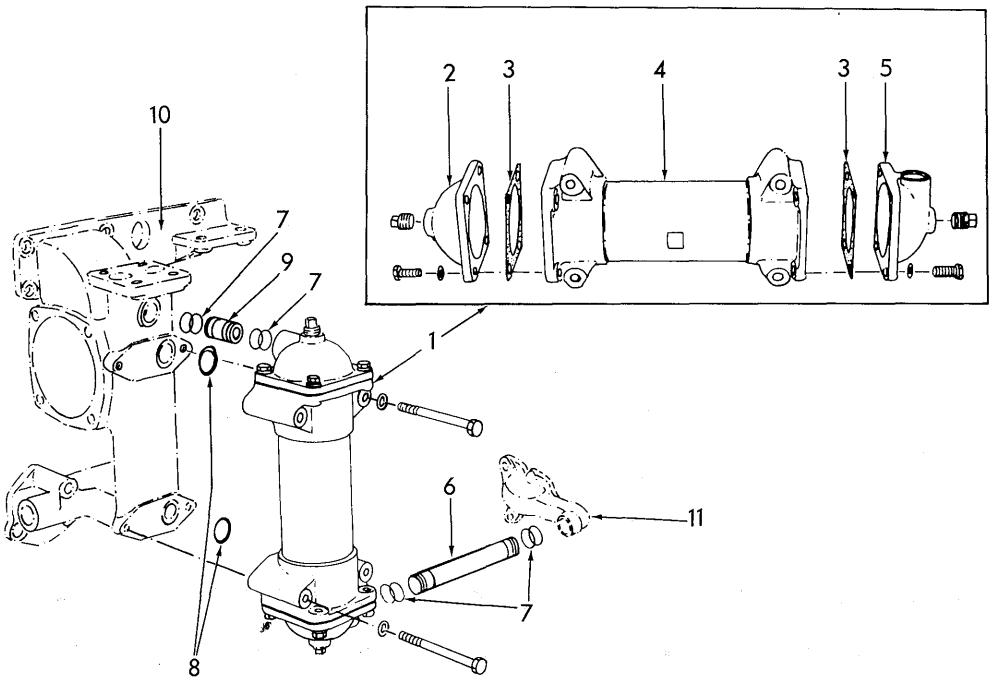
ITEM	PART NO.	QTY.	DESCRIPTION	
-	4389979	1	PUMP ASSY., scavenging (includes items 1 thru 11)	
1	4376016	8	CAPSCREW, drilled hd., pump cover (used prior to engine serial no. 19-01358)	FIRST TYPE
	4377056	8	CAPSCREW, drilled hd., pump cover (effective engine serial no. 19-01358)	FIRST TYPE
	915406	8	CAPSCREW, 1/4" NC x 7/8"	SECOND TYPE
	904204	8	LOCKWASHER, 1/4"	SECOND TYPE
2	4353538	4	WIRE, locking, 1/16" x 8" (FIRST TYPE)	
3	4377050	1	COVER ASSY. (includes item 4)	
4	4377039	2	BUSHING, pump cover	
5	917555	2	PIN, dowel, 1/4" x 5/8"	
6	4371300	1	GASKET, pump cover	
7	4377054	1	SHAFT & GEAR ASSY., driven	
8	4379610	1	SHAFT & GEAR ASSY., drive	
9	4385973	1	BODY ASSY. (includes items 10 and 11)	
10	4371270	2	BUSHING, pump body (plain)	
11	4377039	1	BUSHING, pump body (flanged)	



SCAVENGING OIL PUMP ASSEMBLY (SECOND TYPE)

USAGE: Effective 19000 Mark II engine serial no. 19-01869 - see OIL PUMPS

ITEM	PART NO.	QTY.	DESCRIPTION
-	4390098	1	PUMP ASSY., scavenging (includes items 1 thru 10)
1	915406	8	CAPSCREW, 1/4" NC x 7/8"
	904204	8	LOCKWASHER, 1/4"
2	4377050	1	COVER ASSY. (includes item 3)
3	4377039	2	BUSHING, pump cover (flanged)
4	4371300	1	GASKET, pump cover
5	4377054	1	SHAFT & GEAR ASSY., driven (8 T.)
6	4379610	1	SHAFT & GEAR ASSY., drive (8 T.)
7	4390097	1	BODY ASSY. (includes items 8, 9 and 10)
8	4371270	2	BUSHING, pump body (plain)
9	4377039	1	BUSHING, pump body (flanged)
10	917555	2	PIN, dowel, 1/4" x 5/8"

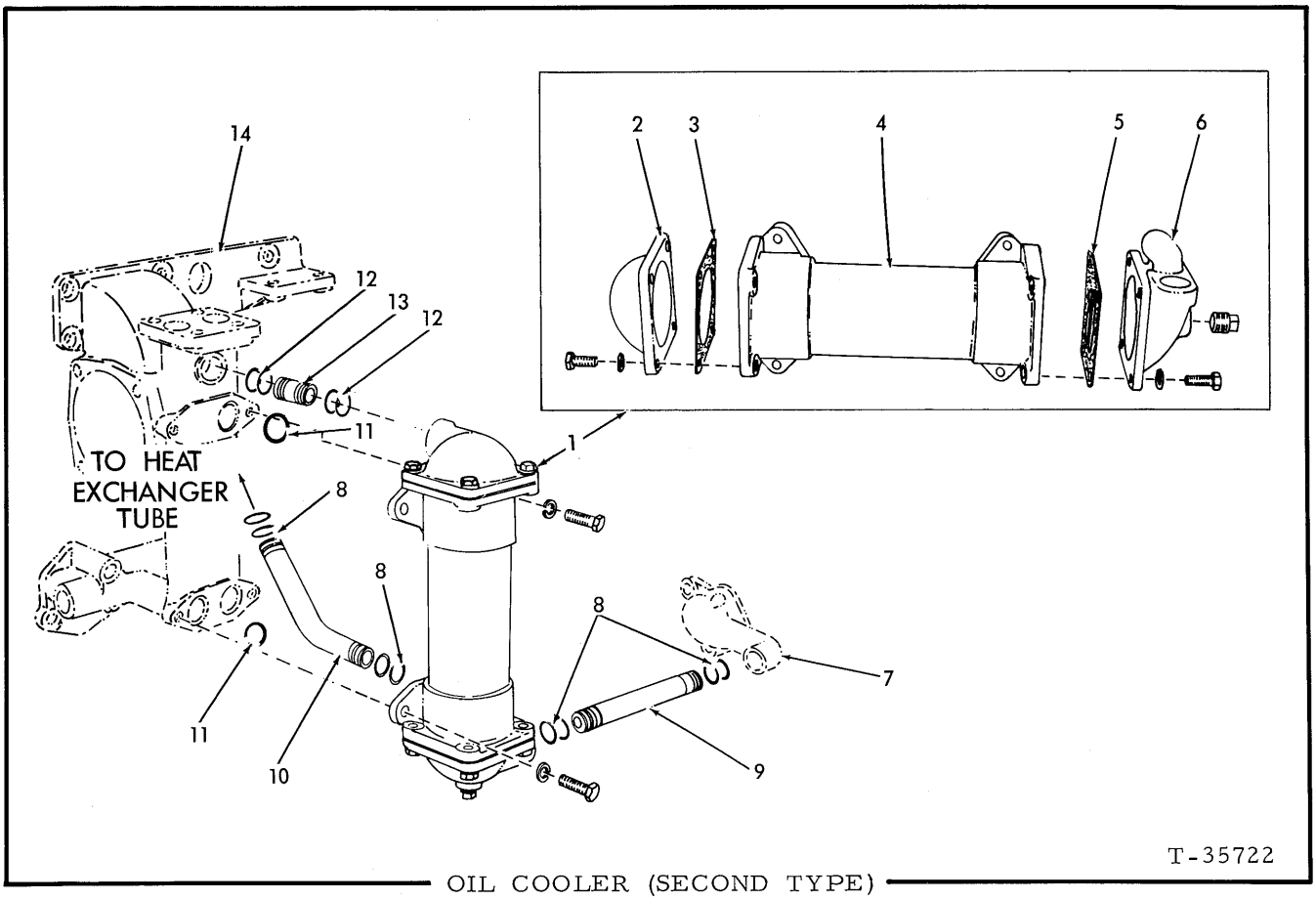


OIL COOLER (FIRST TYPE)

USAGE: Used on 19000 engine thru serial no. 19-01868

ITEM	PART NO.	QTY.	DESCRIPTION
1	4389839	1	EXCHANGER ASSY., heat, lubricating oil (includes items 2 thru 5)
	919801	4	CAPSCREW, 3/8" NC x 4"
	904206	4	LOCKWASHER, 3/8"
2	4389840	1	BONNET, heat exchanger core (upper)
	919840	1	PLUG, pipe, 1/4" steel
	915408	4	CAPSCREW, 3/8" NC x 3/4"
	904206	4	LOCKWASHER, 3/8"
3	4041524	2	GASKET, heat exchanger core
4	4376991	1	CORE, heat exchanger
5	4386642	1	BONNET, heat exchanger core (lower)
	919840	1	PLUG, pipe, 1/4" steel
	915408	4	CAPSCREW, 3/8" NC x 3/4"
	904206	4	LOCKWASHER, 3/8"
6	4386864	1	TUBE, water, heat exchanger to by-pass tube
7	4251984	8	□ O-RING, heat exchanger water tubes
8	4255631	2	□ O-RING, heat exchanger to manifold (1-7/16" O.D.)
9	4389129	1	TUBE, water, heat exchanger to manifold (1-7/16" long)
10	-------	-	MANIFOLD, water and oil (See WATER INLET MANIFOLD)
11	-------	1	FLANGE, water pump - see WATER OUTLET MANIFOLD

□ Also see PACKAGED PARTS



OIL COOLER (SECOND TYPE)

USAGE: Effective 19000 Mark II engine serial no. 19-01869 thru 19-01939

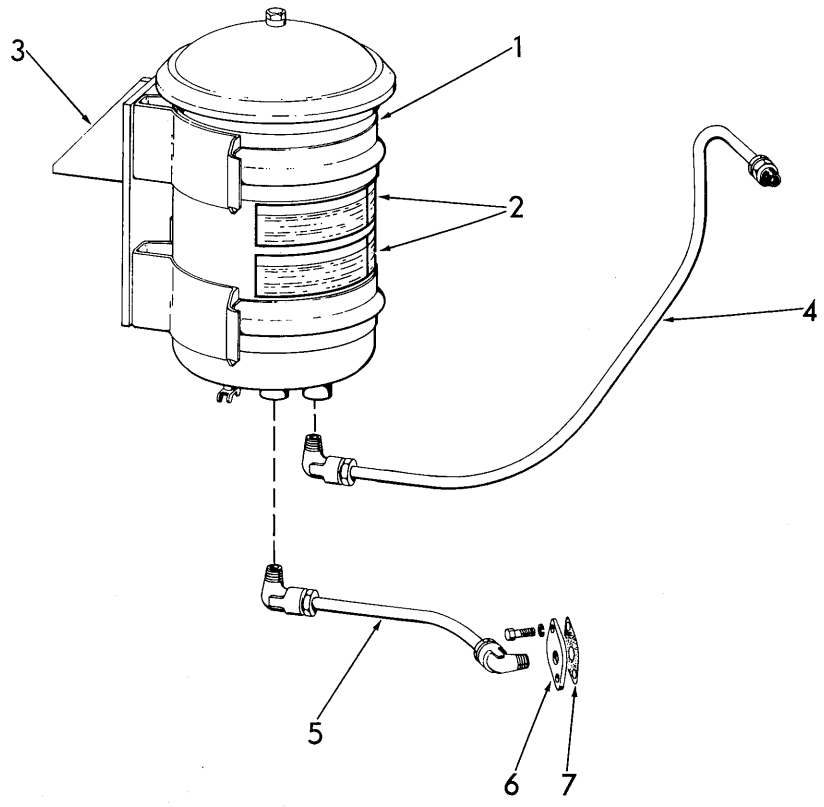
NOTE: For design applicable to engines serial no. 19-01940 and up, see WATER INLET MANIFOLD AND HEAT EXCHANGER section.

ITEM	PART NO.	QTY.	DESCRIPTION
1	4386684	1	EXCHANGER ASSY., heat, lubricating oil (includes items 2 thru 6)
	919801	4	CAPSCREW, 3/8" NC x 4"
	904206	4	LOCKWASHER, 3/8"
2	4386685	1	BONNET, heat exchanger core (upper)
	916269	4	CAPSCREW, 3/8" NC x 7/8"
	904206	4	LOCKWASHER, 3/8"
3	4386687	1	GASKET, heat exchanger core (upper)
4	4386686	1	CORE, heat exchanger
5	4386689	1	☐ GASKET, heat exchanger core (lower)
6	4386688	1	BONNET, heat exchanger core (lower)
	901653	1	PLUG, pipe, 3/8"
	916269	4	CAPSCREW, 3/8" NC x 7/8"
	904206	4	LOCKWASHER, 3/8"

(Continued)

OIL COOLER (SECOND TYPE) (Cont.)

ITEM	PART NO.	QTY.	DESCRIPTION
7	-------	1	FLANGE, water pump (See WATER OUTLET MANIFOLD)
8	4251984	8	☐ O-RING
9	4386935	1	TUBE, water, heat exchanger to by-pass tube
10	4387390	1	TUBE, oil cooler water inlet
11	4255631	2	☐ O-RING, heat exchanger to manifold (1-1/2" O. D.)
12	4252761	4	☐ O-RING
13	4389841	1	TUBE, water, heat exchanger to manifold
14	-------	1	MANIFOLD, water and oil (See WATER INLET MANIFOLD)
			☐ Also see PACKAGED PARTS



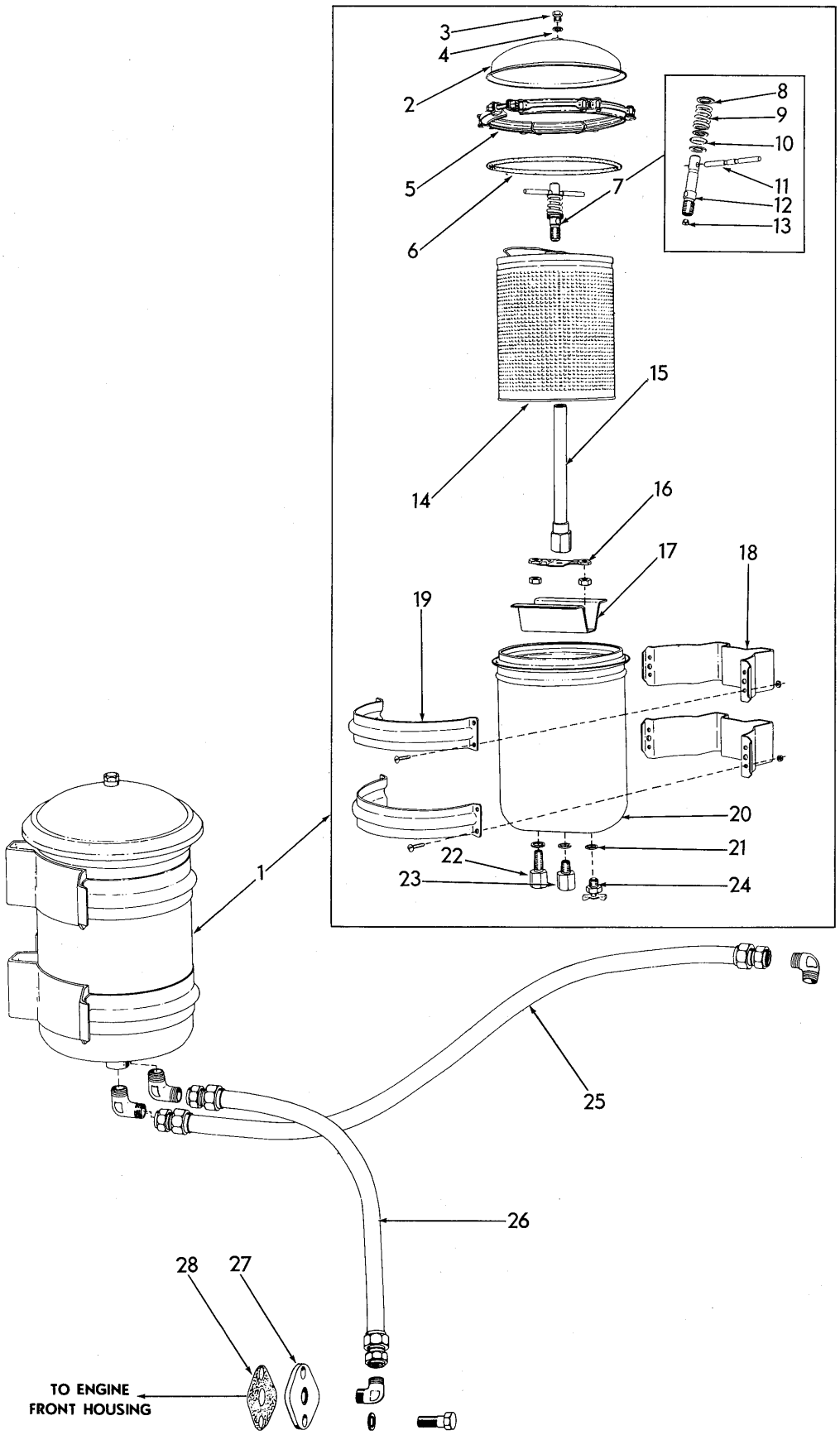
T-22439-B

HEAVY-DUTY OIL FILTER (FIRST TYPE)

USAGE: Special Equipment; for use with 19000 engines thru serial no. 19-01868; supplements standard Oil Filter

ITEM	PART NO.	QTY.	DESCRIPTION
1	082442	1	FILTER ASSY., lubricating oil (for service parts, see page 58)
	911168	8	CAPSCREW, 5/16" NF x 7/8"
	904205	8	LOCKWASHER, 5/16"
	913636	8	NUT, 5/16" NF
2	------	2	TRANSFER, warning, special heavy-duty oil filter (2" x 10") (See PAINTING & MARKING)
3	181403	1	MOUNTING, filter (welded to light guard)
4	192039	1	TUBE (nylon, 1/2" O.D. x 24" - Refer to item 8)
	923712	1	CONNECTOR, male, 1/2" tube, 1/4" taper thd.
	923710	1	ELBOW, male, 1/2" tube, 1/2" taper thd.
5	192040	1	TUBE (nylon, 1/2" O.D. x 16" - Refer to item 8)
	923711	1	ELBOW, male, 1/2" tube, 1/4" taper thd.
	923710	1	ELBOW, male, 1/2" tube, 1/2" taper thd.
6	189443	1	BLOCK (tapped) (at Front Housing)
	915408	2	CAPSCREW, 3/8" NC x 3/4"
	904206	2	LOCKWASHER, 3/8"
7	4371027	1	☐ GASKET, block
8	192928	-	TUBING, nylon, 1/2" O.D. x 25 ft. long (Use as required)

☐ Also see PACKAGED PARTS



T-72183

HEAVY DUTY OIL FILTER (SECOND TYPE)

HEAVY DUTY OIL FILTER (SECOND TYPE)

USAGE: Standard Equipment, used with 19000 Mark II engine serial no. 19-01869 and up

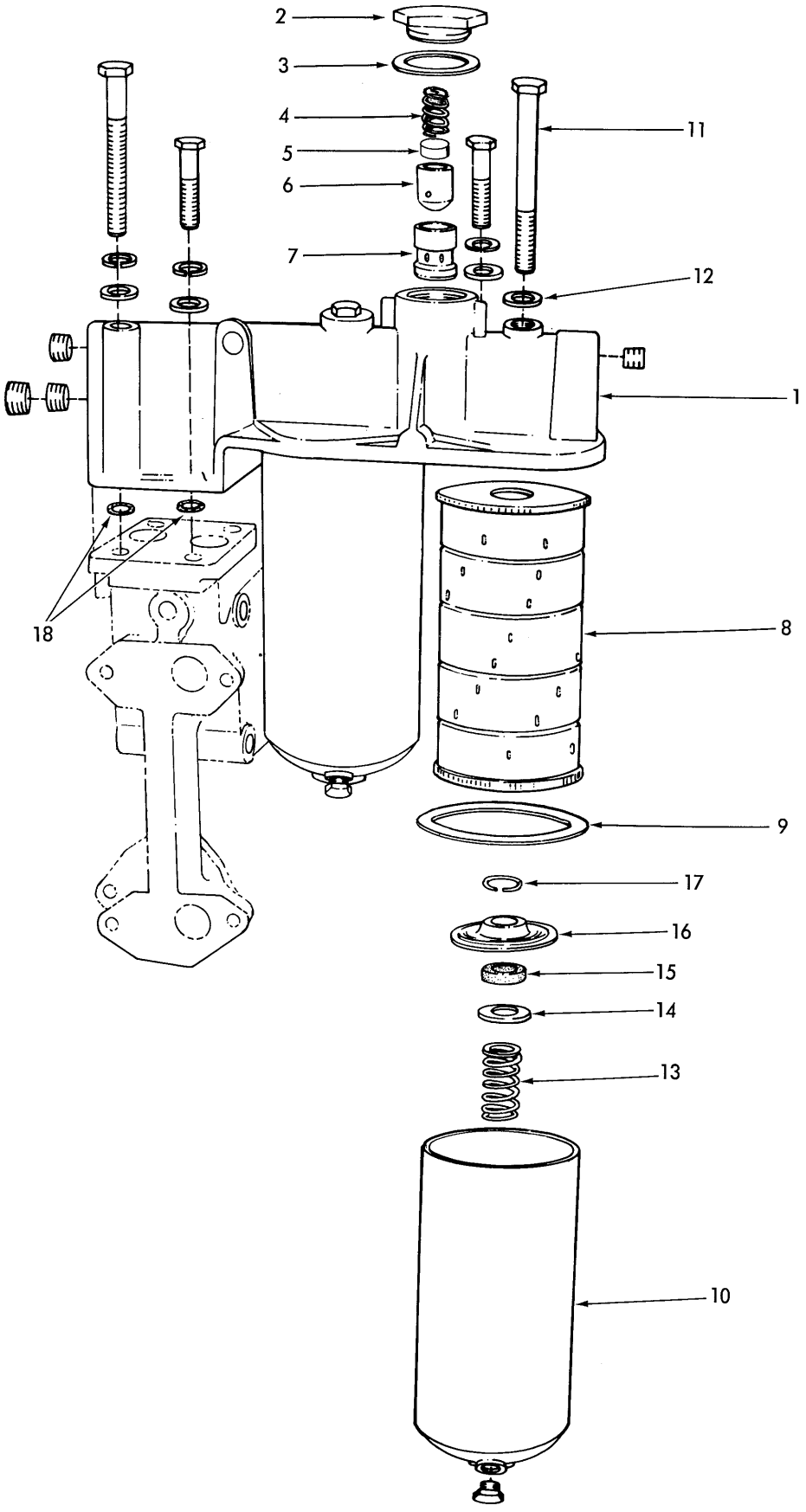
ITEM	PART NO.	QTY.	DESCRIPTION
1	4390593	1	FILTER ASSY., oil (includes items 2 thru 24)
	916382	8	CAPSCREW, 3/8" NF x 7/8"
	904206	8	LOCKWASHER, 3/8"
	911041	8	NUT, 3/8" NF
2	4059262	1	COVER
3	084897	1	PLUG, venting
4	084899	1	WASHER, venting plug
5	630540	1	RING ASSY., cover retaining (includes Nut and Bolt)
6	082449	1	GASKET, cover
7	4059266	1	HOLD-DOWN ASSY., filter element (includes items 8 thru 13)
8	082489	3	WASHER, element hold-down
9	082490	1	SPRING, element hold-down
10	082487	1	SEAL, element hold-down
11	082488	1	HANDLE, element hold-down
12	------	1	STUD, element hold-down (order item 7)
13	4059265	1	PLUG, orifice, element hold-down
14	4059263	1	ELEMENT, filtering
15	4059264	1	TUBE ASSY., outlet (includes Nut)
16	096815	1	RETAINER, nut
	911049	2	NUT, jam, 5/8" NF
17	096816	1	SUPPORT, filter element
18	082444	2	BRACKET, mounting
19	082443	2	BAND, mounting bracket
	915406	8	CAPSCREW, 1/4" NC x 3/4"
	911024	8	NUT, 1/4" NC
20	------	1	HOUSING, filter (order item 1)
21	063891	3	GASKET
22	063890	1	VALVE ASSY., inlet check (includes one each spring, ring and cup - serviced only as a unit)
23	080758	1	VALVE ASSY., outlet check (includes one each spring, ring and cup - serviced only as a unit)
24	094167	1	COCK, drain, 5/8" NF

(Continued)

HEAVY DUTY OIL FILTER (SECOND TYPE) (Cont.)

ITEM	PART NO.	QTY.	DESCRIPTION	
	197542	1	HOSE ASSY., inlet (includes Hose and Fitting listed below)	Used prior to engine serial no. 19-01940
	------	1	HOSE, 3/8" I. D. x 25" (order item 29)	
	924996	2	FITTING ASSY., str., female, swivel, 3/8" tube	
	919062	1	CONNECTOR, male, flared, 3/8" tube, 1/4" PT (at Block)	
25	197373	1	HOSE ASSY., inlet (includes Hose and Fitting listed below)	Effective engine serial no. 19-01940 and up
	------	1	HOSE, 3/8" I. D. x 46" (order item 29)	
	924996	2	FITTING ASSY., str., female, swivel, 3/8" tube	
	919136	1	ELBOW, male, flared, 3/8" tube, 3/8" PT (at Heat Exchanger Discharge Elbow)	
	922322	1	ELBOW, male, flared, 3/8" tube, 1/2" PT (at Filter)	
26	197372	1	HOSE ASSY., outlet (includes Hose and Fitting listed below)	
	------	1	HOSE, 3/8" I. D. x 16" (order item 29)	
	924996	2	FITTING ASSY., str., female, swivel, 3/8" tube	
	922322	1	ELBOW, male, flared, 3/8" tube, 1/2" PT (at Filter)	
	919136	1	ELBOW, male, flared, 3/8" tube, 3/8" PT (at Engine Front Housing)	
27	4390837	1	COVER, engine front housing	
	915408	2	CAPSCREW, 3/8" NC x 3/4"	
	904206	2	LOCKWASHER, 3/8"	
28	4371027	1	☐ GASKET, cover	
29	925080	-	HOSE, low pressure, 3/8" I. D. x 25 ft. long (use as required)	

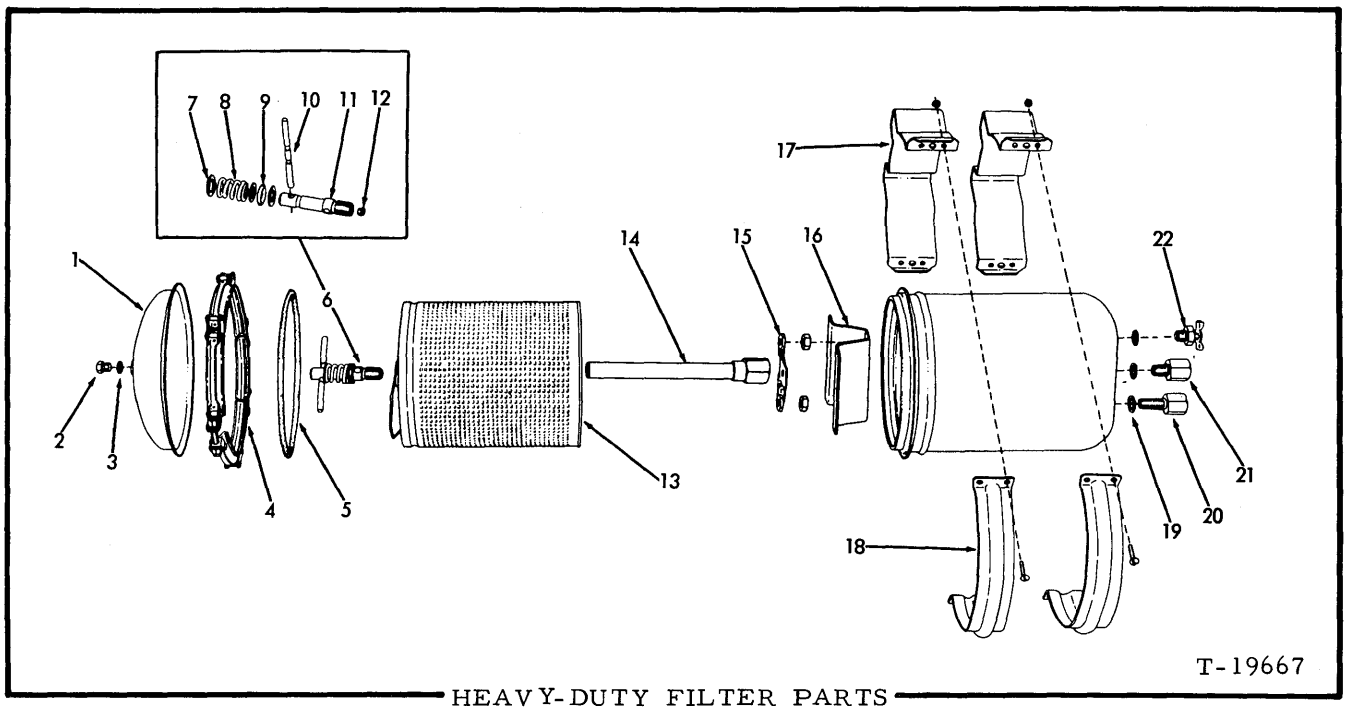
☐ Also see PACKAGED PARTS



OIL FILTER

OIL FILTER

ITEM	PART NO.	QTY.	DESCRIPTION
1	4391146	1	HEAD ASSY. (includes items 2 thru 7; also PLUGS indented below)
	918888	3	PLUG, pipe, hex-socket, 1"
	918697	1	PLUG, pipe, hex-socket, 1-1/4"
	916317	2	CAPSCREW, 1/2" NC x 2-3/4"
	916323	2	CAPSCREW, 1/2" NC x 5-1/2"
	915987	2	CAPSCREW, 1/2" NC x 1-1/2"
	912333	6	WASHER, plain
	904208	6	LOCKWASHER, 1/2"
2	4388810	1	CAP, by-pass valve
3	4388848	1	GASKET, by-pass valve cap
4	4335666	1	SPRING, by-pass valve
5	4391038	1	SPACER
6	4373613	1	PISTON, by-pass valve
7	4388809	1	SLEEVE, by-pass valve piston
8	4371021	2	ELEMENT KIT (includes item 9)
9	4372325	2	GASKET, filter body
10	4339021	2	BODY
	918951	2	PLUG, pipe, hex-hd., 3/8" NPT
11	4388836	2	CAPSCREW, body retaining
12	4376749	2	WASHER, sealing, body retaining capscrew
13	4379268	2	SPRING, element
14	4053410	2	WASHER, element seal
15	4053409	2	SEAL, element
16	4055971	2	ADAPTER, element
17	4379269	2	RING, snap
18	4255513	2	☐ O-RING, filter to manifold
			☐ Also see PACKAGED PARTS



HEAVY-DUTY FILTER PARTS

USAGE: Special Equipment

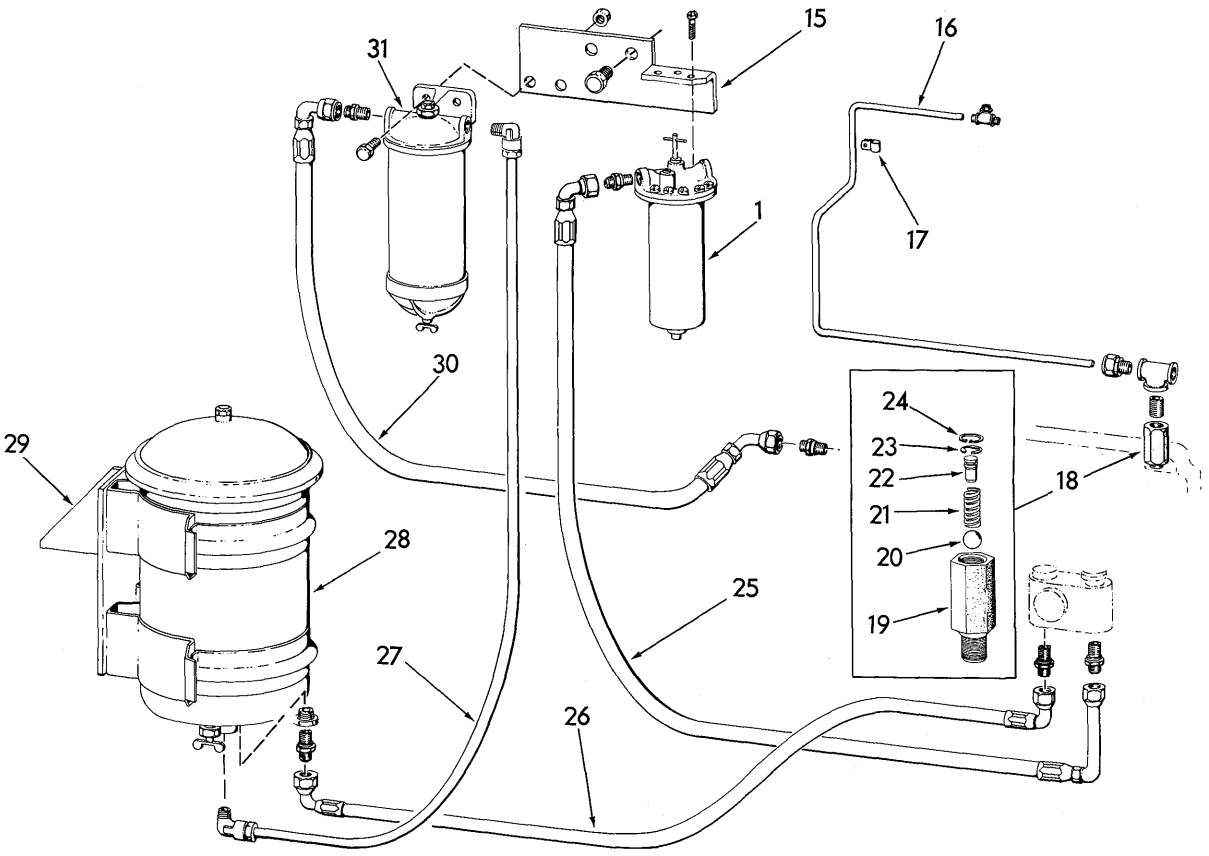
* - 082441 FILTER ASSY., fuel (see page 60 or 63)
** - 082442 FILTER ASSY., oil (for use only with 19000 engines thru serial no. 19-01868 (see page 51)

ITEM	PART NO.	QUANTITY *	QUANTITY **	DESCRIPTION
1	082505	1	1	COVER
2	084897	1	1	PLUG, venting
3	084899	1	1	WASHER, venting plug
4	630540	1	1	RING ASSY., cover retaining (includes Nut and Bolt)
5	082449	1	1	GASKET, cover
6	082492	1	-	HOLD-DOWN ASSY., filter element (includes items 7 thru 11)
	082493	-	1	HOLD-DOWN ASSY., filter element (includes items 7 thru 12)
7	082489	3	3	WASHER, element hold-down
8	082490	1	1	SPRING, element hold-down
9	082487	1	1	SEAL, element hold-down
10	082488	1	1	HANDLE, element hold-down

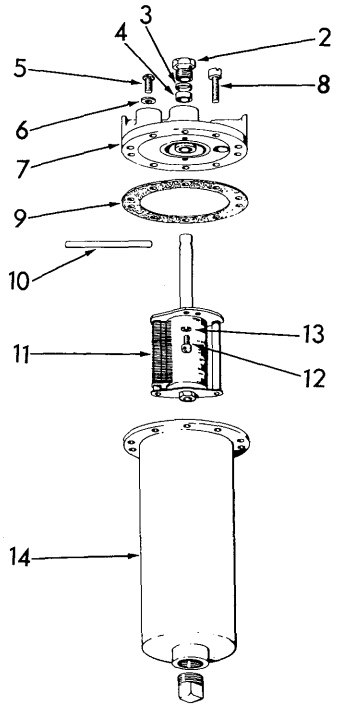
(Continued)

HEAVY-DUTY FILTER PARTS (Cont.)

ITEM	PART NUMBER	QUANTITY 082441	QUANTITY 082442	DESCRIPTION
11	------	1	1	STUD, element hold-down (not serviced separately)
12	082491	-	1	PLUG, orifice, element hold-down
13	091540	1	1	ELEMENT, filtering
14	076668	1	1	TUBE ASSY., outlet (includes NUT)
15	096815	1	1	RETAINER, nut
	911049	2	2	NUT, hex, jam, 5/8" NF
16	096816	1	1	SUPPORT, filter element
17	082444	2	2	BRACKET, mounting
18	082443	2	2	BAND, mounting bracket
	900576	8	8	SCREW, mach., 1/4" NC x 3/4"
	911024	8	8	NUT, hex, 1/4" NC
19	063891	3	3	GASKET
20	063889	1	-	BOLT, hollow
	063890	-	1	VALVE ASSY., inlet check (includes one each spring, ring and cup. Serviced only as a unit)
21	063889	1	-	BOLT, hollow
	080758	-	1	VALVE ASSY., outlet check (includes one each spring, ring and cup - serviced only as a unit)
22	094167	1	1	COCK, drain, 5/8" NF

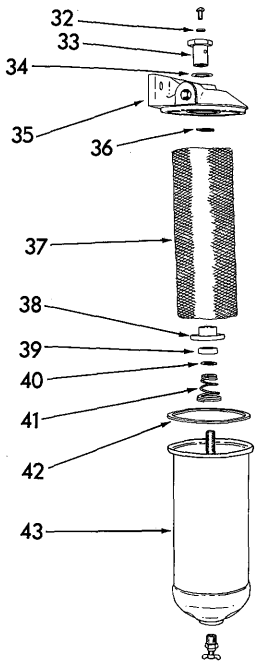


PRIMARY FILTER



T-22444

SECONDARY FILTER



T-3806

T-35728-A

HEAVY DUTY FUEL FILTERS (FIRST TYPE)

HEAVY DUTY FUEL FILTERS (FIRST TYPE)

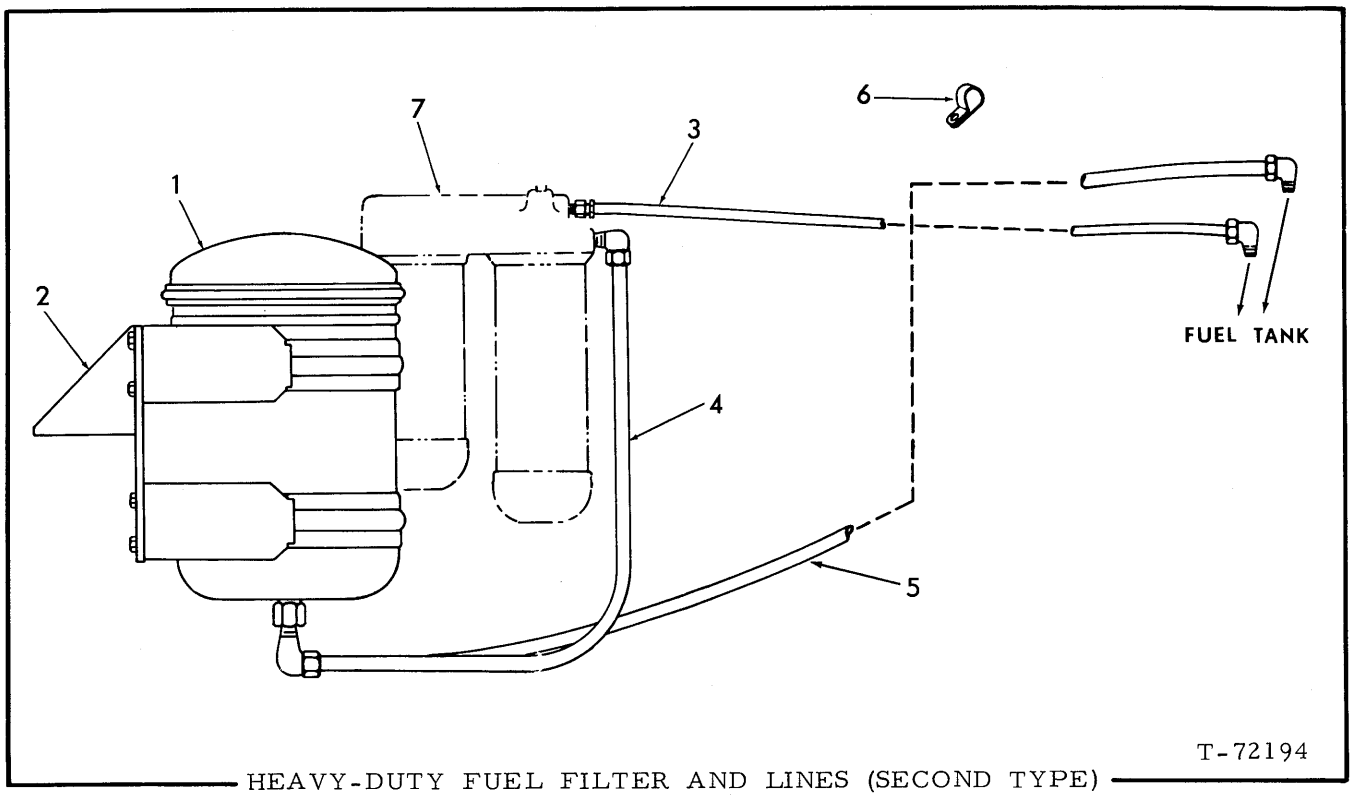
USAGE: Special Equipment - replaces standard Fuel Filters on 19000 engine prior to serial no. 19-01869

ITEM	PART NO.	QTY.	DESCRIPTION
1	4365568	1	FILTER ASSY., primary (includes items 2 thru 14)
	901224	3	SCREW, fil. hd., #12 x 3/4" } SECOND TYPE
	906965	3	LOCKWASHER, #12 } SECOND TYPE
2	4371786	1	NUT, gland
3	4371787	1	FOLLOWER, gland
4	4371788	1	PACKING, gland
5	4371784	1	SCREW, vent
6	4371785	1	GASKET, vent screw
7	4371781	1	HEAD, filter
8	4371783	10	SCREW, filter head
9	4371782	1	GASKET, head
10	4371780	1	HANDLE, element
11	4365874	1	ELEMENT, primary filter
12	4101076	2	SCREW, element mounting
13	4371789	2	LOCKWASHER, mounting screw
14	4371790	1	SUMP, primary filter
	912725	1	PLUG, pipe, sq. hd., 1/2"
15	192038	1	BRACKET, primary and secondary filter
	916311	2	CAPSCREW, 1/2" NC x 1-1/4"
16	187061	1	TUBE, fuel return (copper, 1/4" O.D. x 33-1/2" - refer to item 44)
	919795	1	TEE, union, 1/4" tube (includes SLEEVE and NUTS)
	918626	1	CONNECTOR, male, 1/4" tube, 1/4" PT (includes SLEEVE and NUT)
	917806	4	SLEEVE, 1/4" tube (rubber)
	917809	4	NUT, 1/4" tube
	901703	1	TEE, pipe, 1/4"
	901478	1	NIPPLE, pipe, 1/4" x 7/8"
17	4255188	1	CLAMP, fuel return tube
18	4337015	1	VALVE ASSY., overflow (includes items 19 thru 24)
19	-------	1	BODY, valve (not serviced - order item 18)
20	4337022	1	BALL, valve
21	4337023	1	SPRING

(Continued)

HEAVY DUTY FUEL FILTERS (FIRST TYPE) (Cont.)

ITEM	PART NO.	QTY.	DESCRIPTION
22	4337019	1	VALVE, stop
23	4255017	1	E-RING
24	4255020	1	RING, snap
25	4388011	1	HOSE ASSY., primary filter to transfer pump (See HOSE PARTS)
	919205	1	CONNECTOR, flare type, 1/2" tube, 1/4" NPT male
	919063	1	CONNECTOR, flare type, 1/2" tube, 3/8" NPT male
26	4388010	1	HOSE ASSY., heavy duty filter to transfer pump (See HOSE PARTS)
	919062	2	CONNECTOR, flare type, 3/8" tube, 1/4" NPT male
	901839	1	BUSHING, pipe, 1/2" x 1/4"
27	192041	1	TUBE, nylon (1/2" O. D. x 26" - refer to item 45)
	923710	1	ELBOW, male, 1/2" tube, 1/2" taper thd.
	921527	1	ELBOW, male, 1/2" tube, 3/8" taper thd.
28	082441	1	FILTER ASSY., fuel (See page 58 for Service Parts)
	911168	8	CAPSCREW, 5/16" NF x 7/8"
	904205	8	LOCKWASHER, 5/16"
	913636	8	NUT, 5/16" NF
29	181403	1	MOUNTING, filter (welded to light guard)
30	4388009	1	HOSE ASSY., secondary filter to injection pump (See HOSE PARTS)
	919063	2	CONNECTOR, flare type, 1/2" tube, 3/8" NPT male
31	4372900	1	FILTER ASSY., secondary (includes items 32 thru 43)
	916272	2	CAPSCREW, 3/8" NC x 1-1/4"
	915891	2	NUT, elastic stop, 3/8" NC
32	065577	1	GASKET, bleeding screw
33	4051483	1	NUT, shell retaining
	915432	1	SCREW, mach., 1/4" NC x 5/16"
34	4051484	1	GASKET, shell retaining Nut
35	4347790	1	HEAD, filter
36	4055913	1	GUIDE, element centering
37	4055920	1	ELEMENT KIT (includes items 39, 40 and 42)
38	4052173	1	PLATE, element seating
39	-------	1	GASKET, element plate (not serviced separately)
40	-------	1	WASHER, element plate gasket (not serviced separately)
41	4052174	1	SPRING, element
42	4040013	1	GASKET, filter shell
43	-------	1	SHELL, filter (not serviced separately - order item 35)
	915433	1	COCK, drain, T-handle, 1/4" NPT
44	116088	-	TUBING, copper, 1/4" O. D. x 25 ft. long (use as required)
45	192928	-	TUBING, nylon, 1/2" O. D. x 25 ft. long (use as required)



HEAVY-DUTY FUEL FILTER AND LINES (SECOND TYPE)

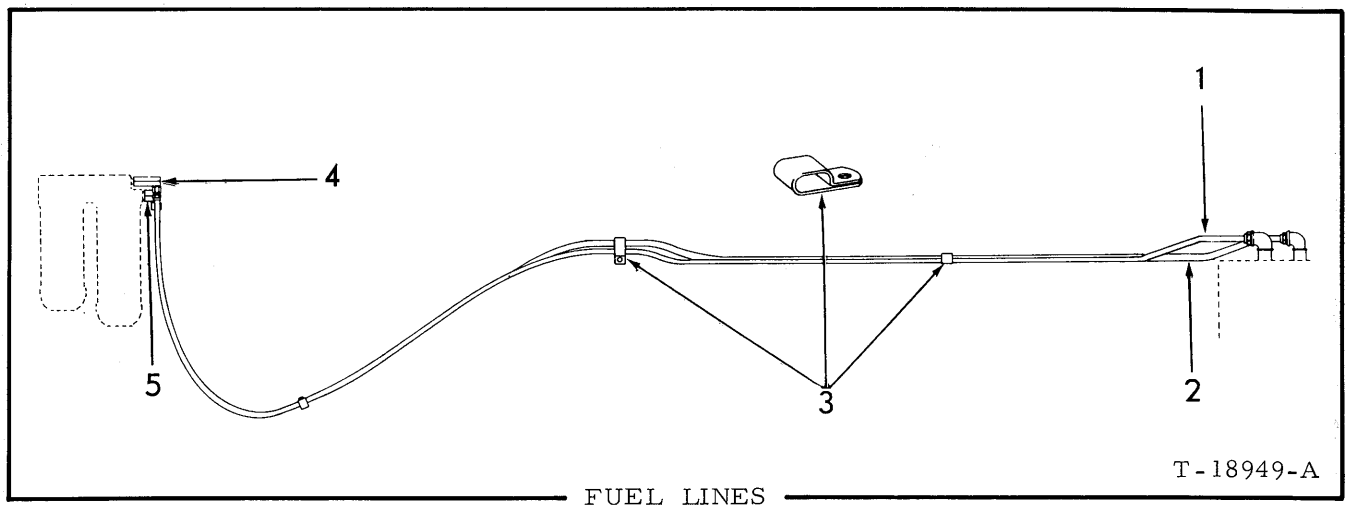
USAGE: Special Equipment, for use with 19000 Mark II engines serial no. 19-01869 and up

ITEM	PART NO.	QTY.	DESCRIPTION
1	082441	1	FILTER ASSY., fuel (for service parts, see page 58
	911168	8	CAPSCREW, 5/16" NF x 7/8"
	904205	8	LOCKWASHER, 5/16"
	913636	8	NUT, 5/16" NF
2	181403	1	MOUNTING, filter (welded to light guard)
3	------	1	TUBE, nylon, fuel return, 3/8" O. D. x 115" (order item 8)
	912403	1	CONNECTOR, male, 3/8" tube, 1/4" PT (includes NUT) (at Filter)
	923915	1	ELBOW, male, 3/8" tube, 3/8" PT (includes NUT) (at Fuel Tank)
	912340	2	NUT, 3/8" tube (includes non-serviceable ferrule)
4	------	1	TUBE, nylon, fuel supply, 1/2" O. D. x 30" (order item 9)
	921527	1	ELBOW, male, 1/2" tube, 3/8" PT (includes NUT) (at Duel Filter Head)
	923710	1	ELBOW, male, 1/2" tube, 1/2" PT (includes NUT) (at Heavy-Duty Filter)
	921781	2	NUT, 1/2" tube (includes non-serviceable ferrule)
5	------	1	TUBE, nylon, fuel supply, 1/2" O. D. x 150" (order item 9)
	921527	1	ELBOW, male, 1/2" tube, 3/8" PT (includes NUT) (at Fuel Tank)
	923710	1	ELBOW, male, 1/2" tube, 1/2" PT (includes NUT) (at Heavy-Duty Fuel Filter)
	921781	2	NUT, 1/2" tube (includes non-serviceable ferrule)

(Continued)

HEAVY-DUTY FUEL FILTER AND LINES (SECOND TYPE) (Cont.)

ITEM	PART NO.	QTY.	DESCRIPTION	
6	195085	3	CLAMP, tube	
	916309	1	CAPSCREW, 1/2" NC x 3/4"	
	904208	1	LOCKWASHER, 1/2"	
7	------	-	See FUEL FILTERS	
8	192929	-	TUBING, nylon, 3/8" O.D. x 25 ft. long	Use as required
9	192928	-	TUBING, nylon, 1/2" O.D. x 25 ft. long	

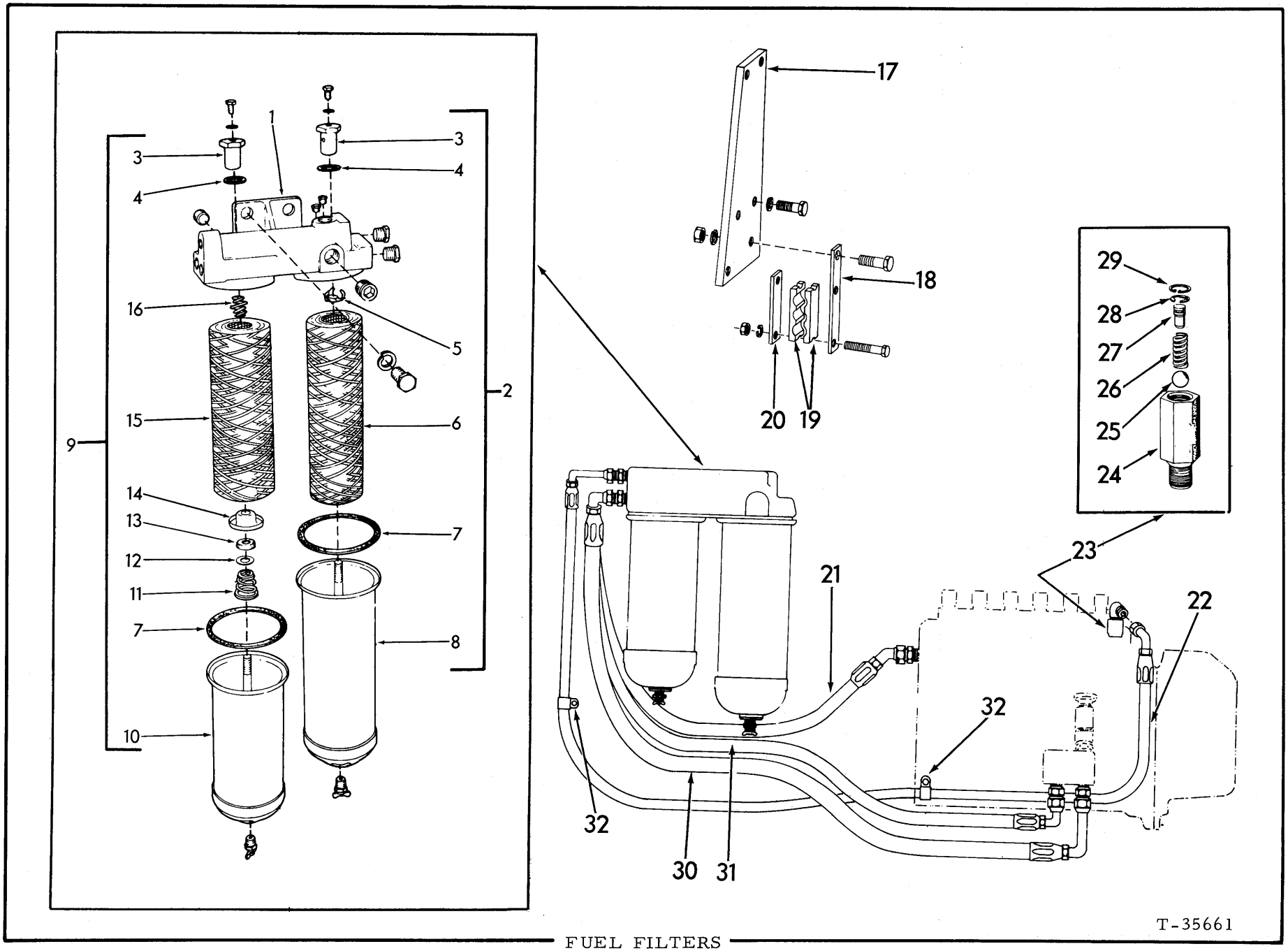


FUEL LINES

NOTE: For fuel lines with special Heavy-Duty Fuel Filter on 19000 Mark II engines serial no. 19-01869 and up, see page 63)

* - Used prior to tractor serial no. 7218
** - Effective tractor serial no. 7218 and up

ITEM	PART NO.	QUANTITY *	QUANTITY **	DESCRIPTION	
1	------	1	-	TUBE, nylon, fuel return, 3/8" O.D. x 142" (order item 6)	
	------	-	1	TUBE, nylon, fuel return, 3/8" O.D. x 115" (order item 6)	
	923915	1	1	ELBOW, male, 3/8" tube 3/8" PT (includes NUT)	At Fuel Tank
	912340	1	1	NUT, 3/8" tube (includes non-serviceable ferrule)	
2	------	1	-	TUBE, nylon, fuel supply, 1/2" O.D. x 144" (order item 7)	
	------	-	1	TUBE, nylon, fuel supply, 1/2" O.D. x 116" (order item 7)	
	921527	1	1	ELBOW, male, 1/2" tube, 3/8" PT (includes NUT)	At Fuel Tank
	921781	1	1	NUT, 1/2" tube (includes non-serviceable ferrule)	
3	195085	2	3	CLAMP, tube	
	916309	1	1	CAPSCREW, 1/2" NC x 3/4"	
	904208	1	1	LOCKWASHER, 1/2"	
4	195084	1	-	ELBOW, female, 3/8" tube, 1/4" PT (includes NUT)	Fuel Return Line
	916664	1	-	NIPPLE, pipe, 1/4" x 2"	
	912403	-	1	CONNECTOR, male, 3/8" tube, 1/4" PT (includes NUT)	
	912340	1	1	NUT, 3/8" tube (includes non-serviceable ferrule)	
5	921527	1	-	ELBOW, male, 1/2" tube, 3/8" PT (includes NUT)	Fuel Supply Line
	921526	-	1	CONNECTOR, male, 1/2" tube, 3/8" PT (includes NUT)	
	921781	1	1	NUT, 1/2" tube (includes non-serviceable ferrule)	
6	192929	-	-	TUBING, nylon, 3/8" O.D. x 25 ft. long	Use as required
7	192928	-	-	TUBING, nylon, 1/2" O.D. x 25 ft. long	



FUEL FILTERS

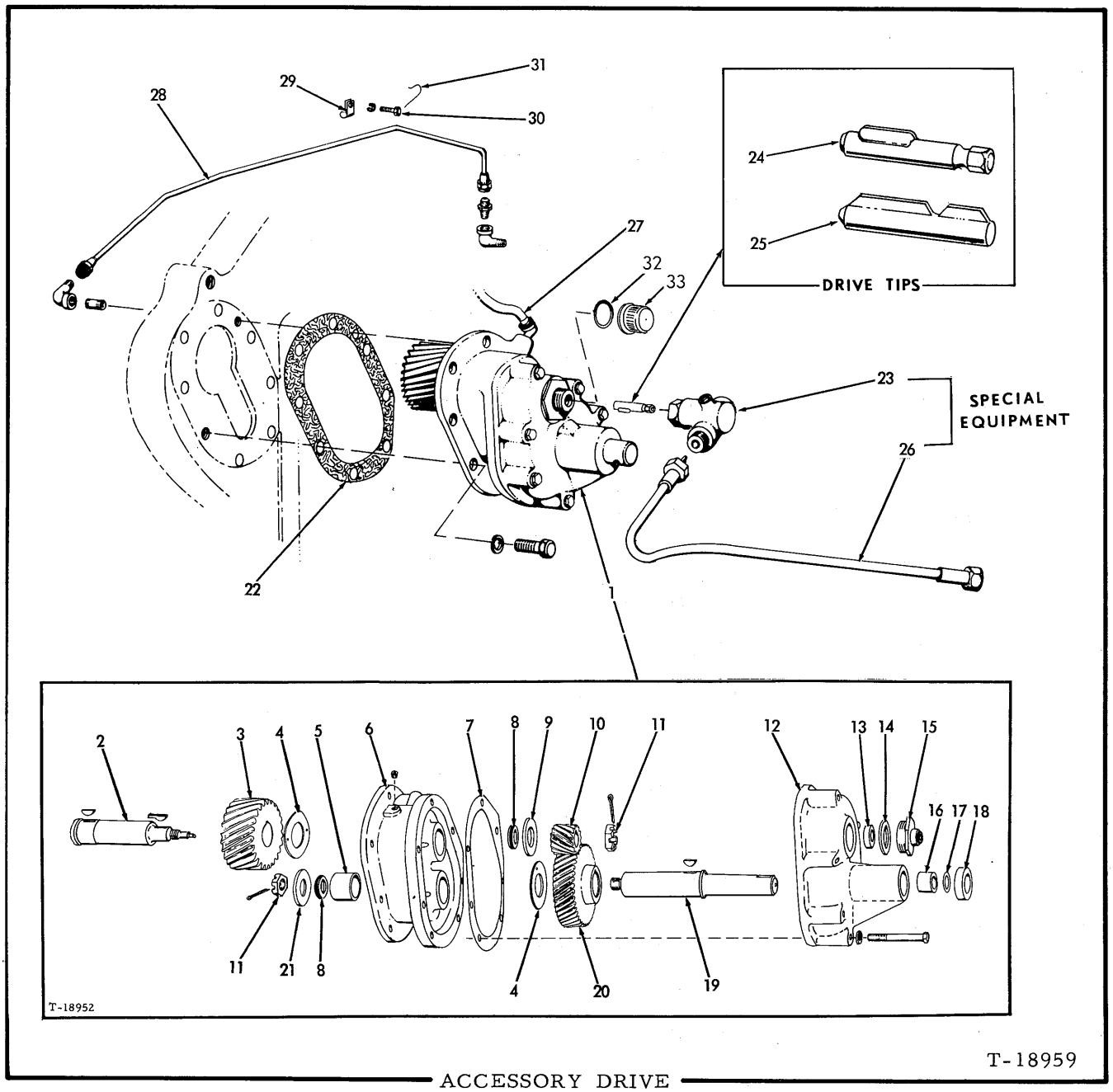
FUEL FILTERS

ITEM	PART NO.	QTY.	DESCRIPTION
1	4377259	1	HEAD ASSY. (includes PLUGS indented below) (used prior to engine serial no. 19-01413 except 19-01265 thru 19-01401)
	4389051	1	HEAD ASSY. (includes PLUGS indented below) (effective engine serial no. 19-01265 and up except 19-01402 thru 19-01412)
	919134	2	PLUG, pipe, hex hd., 1/8" NPT
	920333	2	PLUG, pipe, hex hd., 3/8" NPT (one only used prior to engine serial no. 19-01413, except 19-01265 thru 19-01401)
	918887	2	PLUG, pipe, hex socket, 3/8" NPT
	919840	1	PLUG, pipe, hex hd., 1/4" NPT (used prior to engine serial no. 19-01413, except 19-01265 thru 19-01401)
	910761	2	CAPSCREW, 1/2" NC x 1-1/2"
	904208	2	LOCKWASHER, 1/2"
	910325	2	NUT, 1/2" NC
2	4389172	1	FILTER ASSY., first stage (includes items 3 thru 8)
3	4051483	2	NUT, shell retaining (used prior to engine serial no. 19-01413 except 19-01265 thru 19-01401)
	4389113	2	NUT, shell retaining (effective engine serial no. 19-01265 and up, except 19-01402 thru 19-01412)
	919288	2	CAPSCREW, 1/4" NC x 3/8" (air bleed)
	914686	2	WASHER, copper (bleed screw)
4	4051484	2	GASKET, shell retaining nut
5	4051485	1	GUIDE, element centering, first stage filter
6	4055565	1	ELEMENT KIT, first stage filter (includes item 7) (not used on 19000 Mark II engines equipped with Heavy-Duty Fuel Filter)
7	4040013	2	GASKET, filter shell
8	-------	1	SHELL, first stage filter (not serviced - order item 2)
	915433	1	COCK, drain, 1/4" NPT
9	4389173	1	FILTER ASSY., second stage (includes items 3, 4, 7, 10 thru 16)
10	-------	1	SHELL, second stage filter (not serviced - order item 9)
	915433	1	COCK, drain, 1/4" NPT
11	4052174	1	SPRING, second stage filter
12	-------	1	WASHER, element plate gasket (not serviced - order item 15)
13	-------	1	GASKET, element plate (not serviced - order item 15)
14	4052173	1	PLATE, element seating, second stage filter
15	4055920	1	ELEMENT KIT, second stage filter (includes item 7, 12, 13)
16	4055913	1	GUIDE, element centering, second stage filter
17	4388007	1	BRACKET, dual fuel filter
	918683	3	CAPSCREW, 1/2" NC x 1-1/8"
	904208	3	LOCKWASHER, 1/2"

(Continued)

FUEL FILTERS (Cont.)

ITEM	PART NO.	QTY.	DESCRIPTION
18	4378905	1	BRACKET, fuel line
	916311	1	CAPSCREW, 1/2" NC x 1-1/4"
	904208	1	LOCKWASHER, 1/2"
	910325	1	NUT, 1/2" NC
19	4377253	2	INSERT, fuel hose clamp, rubber
20	4378541	1	CLAMP, fuel hose
	916286	2	CAPSCREW, 1/4" NC x 1-1/2"
	904204	2	LOCKWASHER, 1/4"
	910880	2	NUT, 1/4" NC
21	4388009	1	HOSE ASSY., second stage filter to injection pump (See HOSE PARTS)
	919063	2	CONNECTOR, flare type, 1/2" tube, 3/8" NPT male
22	4388008	1	HOSE ASSY., fuel return
	919140	1	CONNECTOR, flare type, 1/4" tube, 1/4" PT male
	919546	1	ELBOW, flare type, 1/4" tube, 1/4" PT, male
23	4337015	1	VALVE ASSY., overflow (includes items 24 thru 29)
24	-------	1	BODY, valve (not serviced - order item 23)
25	4337022	1	BALL, valve
26	4337023	1	SPRING
27	4337019	1	VALVE, stop
28	4255017	1	E-RING
29	4255020	1	RING, snap
30	4388011	1	HOSE ASSY., first stage filter to transfer pump (See HOSE PARTS)
	919205	1	CONNECTOR, flare type, 1/2" tube, 1/4" NPT male (at transfer pump)
	919063	1	CONNECTOR, flare type, 1/2" tube, 3/8" NPT male (at head)
31	4388010	1	HOSE ASSY., transfer pump to second stage filter (See HOSE PARTS)
	919062	1	CONNECTOR, flare type, 3/8" tube, 1/4" NPT male (two used prior to engine serial no. 19-01413, except 19-01265 thru 19-01401)
	917172	1	CONNECTOR, flare type, 3/8" tube, 3/8" NPT male (at Filter Head) (effective engine serial no. 19-01265 and up, except 19-01402 thru 19-01412)
32	4254671	2	CLAMP, fuel return hose



ACCESSORY DRIVE

ITEM	PART NO.	QTY.	DESCRIPTION
1	4389208	1	DRIVE ASSY., accessory (includes items 2 thru 21)
	921520	8	CAPSCREW, nylok, 3/8" NC x 1"
2	4385070	1	SHAFT, upper
	917409	1	KEY, woodruff #9, 3/16" x 3/4" (drive gear)
	923280	1	KEY, hi-pro, 3/16" x 3/4" (drive shaft gear)
3	4389055	1	GEAR, accessory drive

(Continued)

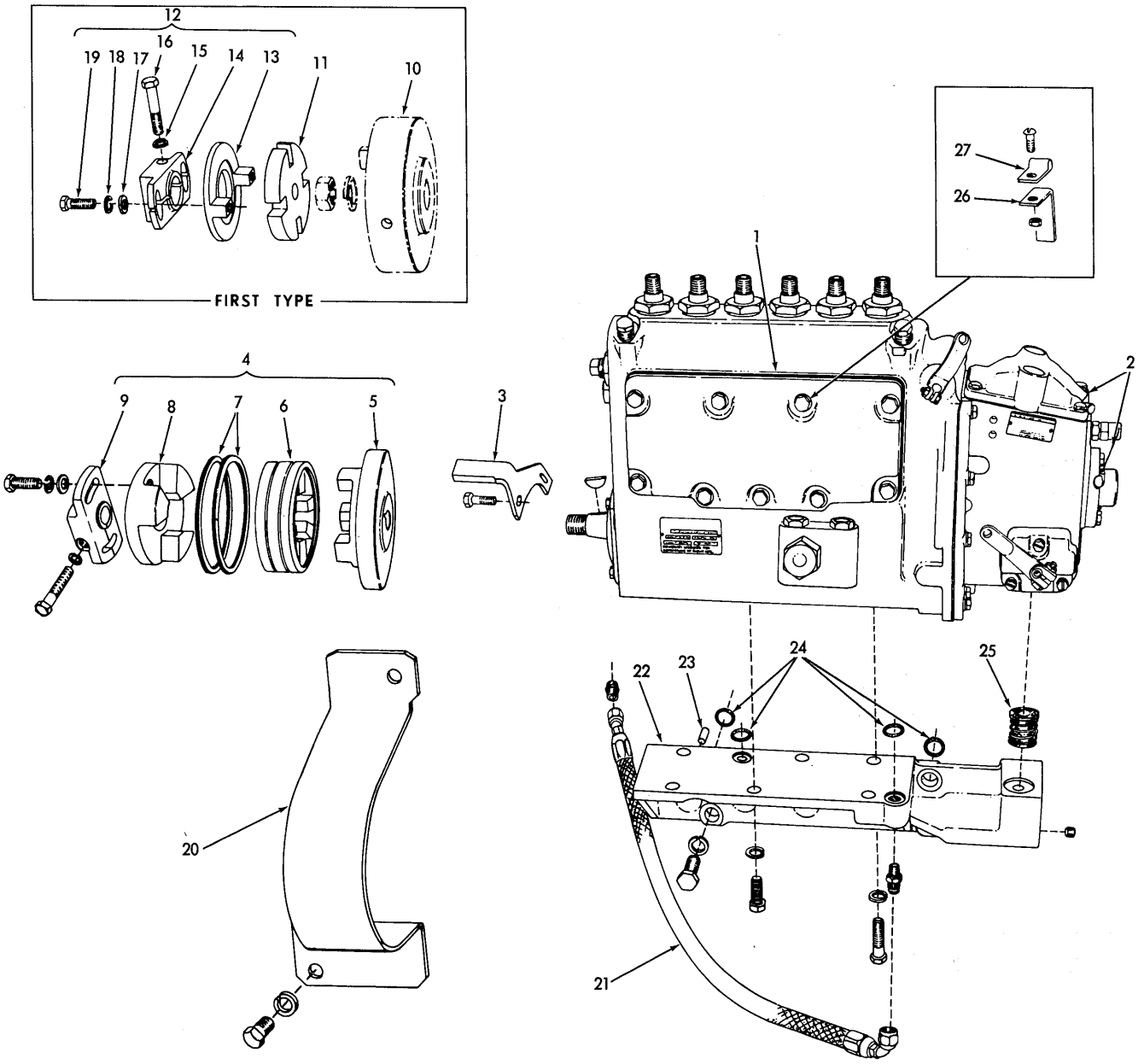
ACCESSORY DRIVE (Cont.)

ITEM	PART NO.	QTY.	DESCRIPTION	
4	4363591	2	WASHER, thrust	
5	4660446	4	BUSHING, accessory drive housing	
6	4387110	1	HOUSING ASSY., accessory drive (includes RESTRICTOR and item 5)	
	4305577	1	RESTRICTOR, oil line (not illustrated)	
	919134	1	PLUG, pipe, hex, 1/8" NPTF (dryseal)	
7	4387124	1	GASKET, accessory drive housing cover	
8	4362726	2	SHIM, laminated	
9	4388154	1	WASHER, thrust, drive shaft	
10	4364404	1	GEAR, drive shaft (14 T.)	
11	4371119	2	NUT, shaft	
	900806	2	PIN, cotter, 1/8" x 1"	
12	4377314	1	COVER ASSY., accessory drive (includes item 16)	
	912069	7	CAPSCREW, 3/8" NC x 1-7/8"	
	904206	7	LOCKWASHER, 3/8"	
13	4368323	1	SEAL, oil	
14	4251601	1	GASKET, annular	
15	4365627	1	ADAPTER, tachometer drive	
16	4377278	1	BUSHING, accessory drive cover	
17	4254742	1	RING, snap	
18	4386879	1	SEAL, oil	
19	4376702	1	SHAFT, driven	
	917409	1	KEY, woodruff #9, 3/16" x 3/4"	
20	4364405	1	GEAR	
21	4364166	1	WASHER, thrust	
22	4376603	1	☐ GASKET, accessory drive	
23	192245	1	ADAPTER, ratio (includes TIP)	Special Equipment
24	192246	1	TIP, drive, ratio adapter	
			OR	
25	192734	1	TIP, drive, ratio adapter	
26	191356	1	SHAFT ASSY., tachometer drive (includes 67" SHAFT)	
	191354	1	SHAFT, flexible (67" length)	
27	-------	1	HOSE ASSY., oil (See COMPRESSOR LINES)	

(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
28	4376627	1	TUBE ASSY. (includes flared NUTS)
	913475	1	ELBOW, female, 1/4" tube, 1/8" taper thd.
	917841	1	NIPPLE, pipe, 1/8" x 7/8"
	910141	1	CONNECTOR, male, 1/4" tube, 1/8" taper thd.
	907059	1	ELBOW, street, 90°, 1/8"
29	4361829	1	CLIP, tube
30	4335669	1	CAPSCREW, drilled hd.
	904204	1	LOCKWASHER, 1/4"
31	4348691	1	WIRE, locking
32	4367090	1	☐ GASKET, tachometer hole cover nut
33	4371118	1	NUT, cover, tachometer hole

☐ Also see PACKAGED PARTS



FUEL INJECTION PUMP

FUEL INJECTION PUMP

* - Used on Model 19000 engine prior to serial no. 19-01869
** - Used on Model 19000 Mark II engine, effective serial no. 19-01869 and up

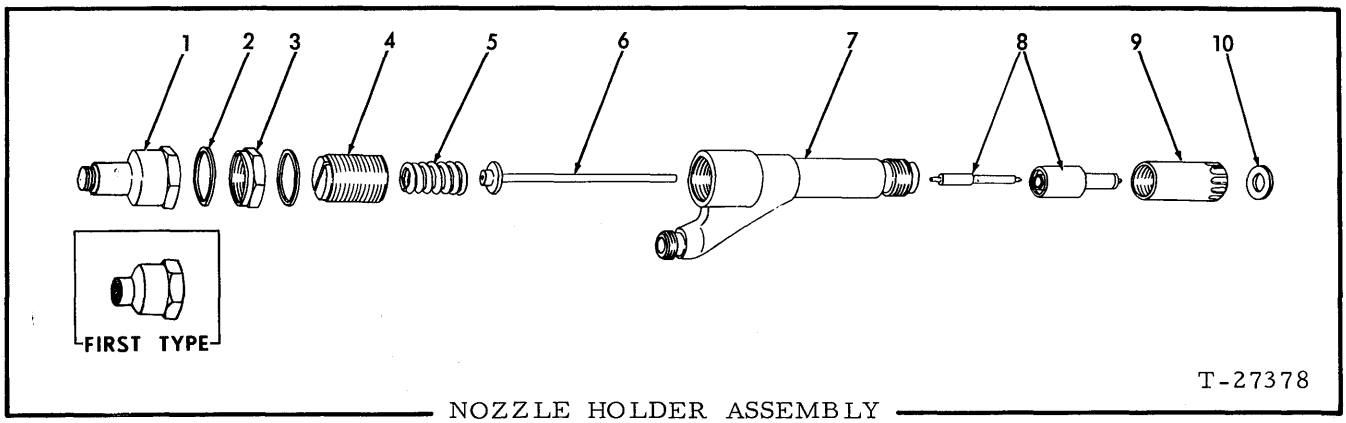
ITEM	PART NO.	QUANTITY *	QUANTITY **	DESCRIPTION
	4388421	1	-	PUMP ASSY., injection (includes items 3 and 10)
	4390424	-	1	PUMP ASSY., injection (includes items 3 and 4) (used on tractors with 19000 Mark II engine serial nos. 19-01869 thru 19-01939)
1	4390805	-	1	PUMP ASSY., injection (includes items 3 and 4) (used on tractors with 19000 Mark II engine effective serial no. 19-01940 and up)
	919228	4	4	CAPSCREW, 7/16" NC x 1-1/8"
	918801	2	2	CAPSCREW, 7/16" NC x 1-5/8"
	904207	6	6	LOCKWASHER, 7/16"
2	4355843	3	3	SEAL, anti-tampering
3	4379077	1	1	POINTER, timing
	912327	2	2	CAPSCREW, 1/4" NC x 7/8"
4	4390054	-	1	COUPLING ASSY., pump drive (includes items 5 thru 9)
5	4059012	-	1	HUB, coupling
6	4059013	-	1	SPIDER, coupling (rubber)
7	4255716	-	2	RING, snap, coupling spider
8	4059014	-	1	FLANGE, coupling
9	4390055	-	1	CLAMP, coupling
	916385	-	1	CAPSCREW, 3/8" NF x 2" (clamping)
	916271	-	2	CAPSCREW, 3/8" NC x 1" (attaching)
	4116730	-	3	LOCKWASHER, 3/8"
	4059015	-	3	WASHER, plain
10	-------	1	-	FLYWHEEL, injection pump (consult FUEL INJECTION PUMP CATALOG)
11	4379813	1	-	DISC, injection pump coupling
12	4371714	1	-	COUPLING ASSY., injection pump drive (includes items 13 thru 19)
13	4371716	1	-	FLANGE, injection pump drive coupling
14	4371715	1	-	HUB, injection pump drive coupling
	905845	1	-	KEY, #A woodruff, 1/4" x 7/8"
15	4371720	1	-	LOCKWASHER, hub clamping screw
16	4371719	1	-	SCREW, clamping, coupling hub
17	4371718	2	-	WASHER, serrated, coupling capscrew

(Continued)

FUEL INJECTION PUMP (Cont.)

ITEM	PART NO.	QUANTITY *	QUANTITY **	DESCRIPTION
18	4371721	2	-	LOCKWASHER, coupling capscrew
19	4371717	2	-	CAPSCREW, injection pump drive coupling
20	4379076	1	1	GUARD, injection pump flywheel
	916310	1	1	CAPSCREW, 1/2" NC x 1"
	904208	1	1	LOCKWASHER, 1/2"
	4376749	1	1	WASHER, pump guard capscrew (Dynaseal) (not illustrated)
21	4386773	1	1	HOSE ASSY., oil supply (See HOSE PARTS)
	919778	1	1	CONNECTOR, flare type, 5/16" tube, 1/4" NPT male (at Block)
	919766	1	1	CONNECTOR, flare type, 5/16" tube, 1/8" NPT male (at Bracket)
22	4376529	1	1	BRACKET, pump mounting, 1/4"
	918850	1	1	PLUG, pipe, hex-socket, 1/4" NPT
	916311	4	4	CAPSCREW, 1/2" NC x 1-1/4"
	904208	4	4	LOCKWASHER, 1/2"
23	4253286	2	2	PIN, dowel, mounting bracket
24	-------	4	-	O-RING, mounting bracket (used prior to engine serial no. 19-01662 - order 4-4255665 O-Rings)
	4255665	4	4	☐ O-RING, mounting bracket (effective engine serial no. 19-01662 and up)
25	4379038	1	1	COUPLING, oil drain, pump to bracket
26	176748	1	-	BRACKET, fuel cut-off cable clamp (used prior to tractor serial no. 6535)
27	171317	1	1	CLAMP, fuel cut-off cable
	914108	1	-	SCREW, mach., rd.-hd., 1/4" NF x 5/8" } Used prior to tractor serial no. 6535
	916590	1	-	NUT, elastic stop, 1/4" NF }

☐ Also see PACKAGED PARTS



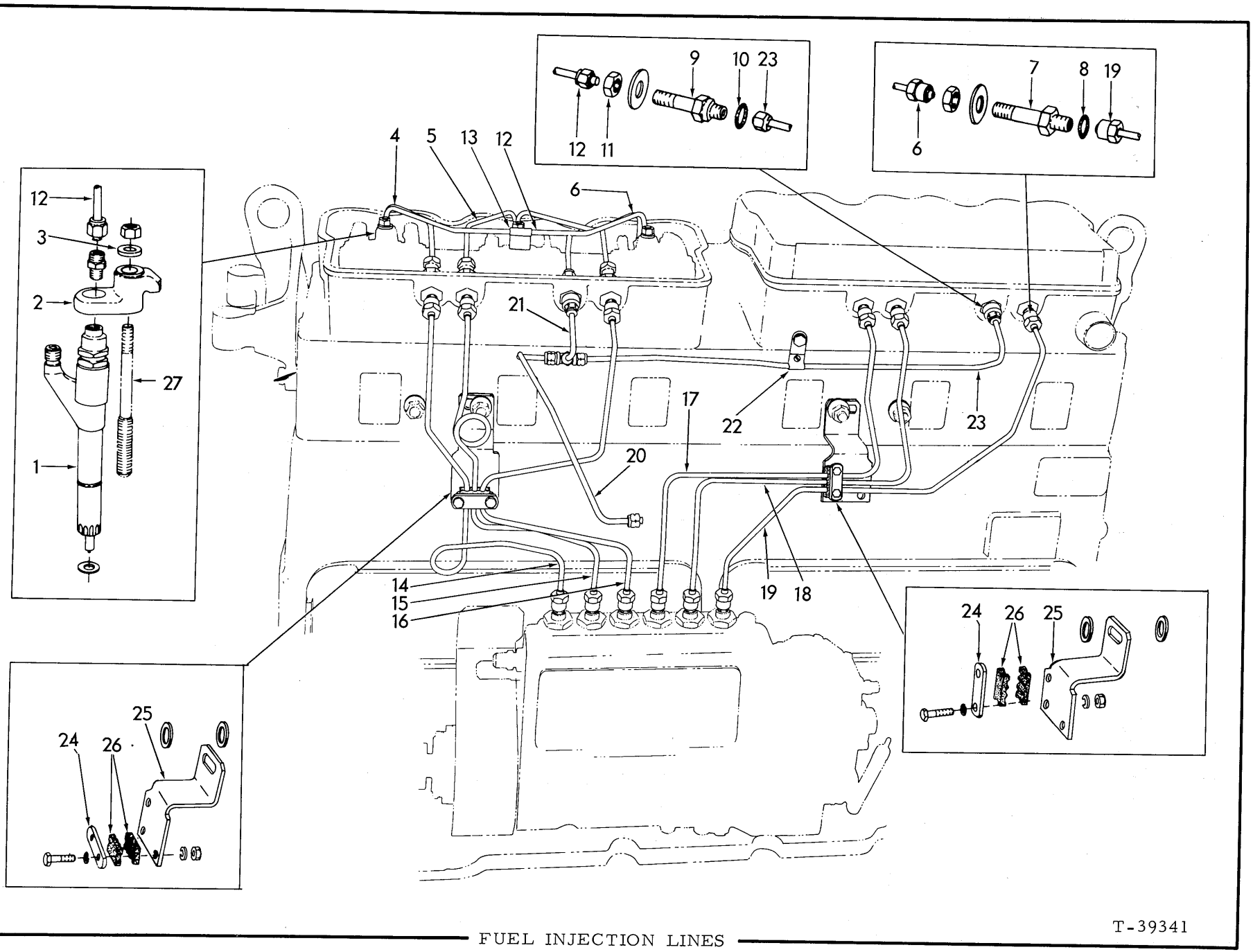
NOZZLE HOLDER ASSEMBLY

USAGE: See INJECTION NOZZLE LINES

NOTE: Quantities indicated are for one (1) Holder Assembly only

ITEM	PART NO.	QTY.	DESCRIPTION
-	4390109	1	HOLDER ASSY., injection nozzle (includes items 1 thru 10) (used prior to engine serial no. 19-01765)
	4390625	1	HOLDER ASSY., injection nozzle (includes items 1 thru 10) (used on engine serial nos. 19-01765 thru 19-01868)
	4390715	1	HOLDER ASSY., injection nozzle (includes items 1 thru 10) (effective 19000 Mark II engine serial no. 19-01869)
1	4378032	1	NUT, cap (used prior to engine serial no. 19-01765)
	4021227	1	NUT, cap (effective engine serial no. 19-01765)
2	4511243	2	GASKET, cap nut
3	4511213	1	NUT, locking
4	4378033	1	SCREW, adjusting
5	4380652	1	SPRING
6	4380198	1	SPINDLE ASSY. (1 spindle and 1 seat)
7	-------	1	BODY (not serviced separately)
8	4386837	1	NOZZLE ASSY. (includes item 10) (used prior to engine serial no. 19-01869)
	4390006	1	NOZZLE ASSY. (includes item 10) (effective 19000 Mark II engine serial no. 19-01869)
9	4390619	1	NUT, nozzle retaining (effective 19000 Mark II engine serial no. 19-01869)
10	4378031	1	☐ GASKET, nozzle

☐ Also see PACKAGED PARTS



T-39341

FUEL INJECTION LINES

FUEL INJECTION LINES

* - Used prior to 19000 engine serial no. 19-01869
** - Effective 19000 Mark II engine serial no. 19-01869 and up

ITEM	PART NO.	QUANTITY *	QUANTITY **	DESCRIPTION
1	-------	6	6	HOLDER ASSY., nozzle (See page 75)
2	4387385	6	6	CLAMP, nozzle holder
	4115287	6	6	NUT (3/8" NF)
3	4020145	6	6	WASHER, nozzle holder clamp
4	4386434	2	-	TUBE ASSY., fuel injection, internal (#1 and #4 cylinders, includes Nuts)
	4390093	-	2	TUBE ASSY., fuel injection, internal (#1 and #4 cylinders, includes Sleeves and Nuts)
	4050604	-	4	SLEEVE
	4050603	-	4	NUT
5	4386435	2	-	TUBE ASSY., fuel injection, internal (#2 and #5 cylinders, includes Nuts)
	4390094	-	2	TUBE ASSY., fuel injection, internal (#2 and #5 cylinders, includes Sleeves and Nuts)
	4050604	-	4	SLEEVE
	4050603	-	4	NUT
6	4386436	2	-	TUBE ASSY., fuel injection, internal (#3 and #6 cylinders, includes Nuts)
	4390095	-	2	TUBE ASSY., fuel injection, internal (#3 and #6 cylinders, includes Sleeves and Nuts)
	4050604	-	4	SLEEVE
	4050603	-	4	NUT
7	4386601	6	6	CONNECTOR, injection line
	919303	6	6	NUT, jam, 9/16" NF
	914659	6	6	WASHER, plain, SAE std., 9/16"
8	923645	6	6	☐ O-RING, 5/8" I. D. (injection line connector)
9	4386602	2	2	CONNECTOR, fuel return line
10	923645	2	2	☐ O-RING, 5/8" I. D. (return line connector)
11	4377267	2	2	NUT, return line connector (1/2" - 24)
	914659	2	2	WASHER, plain, SAE std., 9/16"
12	4386433	2	2	MANIFOLD ASSY., fuel return (includes NUTS and SLEEVES indented below)
	917809	8	8	NUT, imperial, 1/4" tube
	917806	8	8	☐ SLEEVE, imperial, 1/4" tube (rubber)
	919800	6	-	CONNECTOR, imperial, 1/4" tube, 1/8" NPT male (used prior to engine serial no. 19-01765)
13	4255179	2	2	CLIP, manifold supporting

(Continued)

FUEL INJECTION LINES (Cont.)

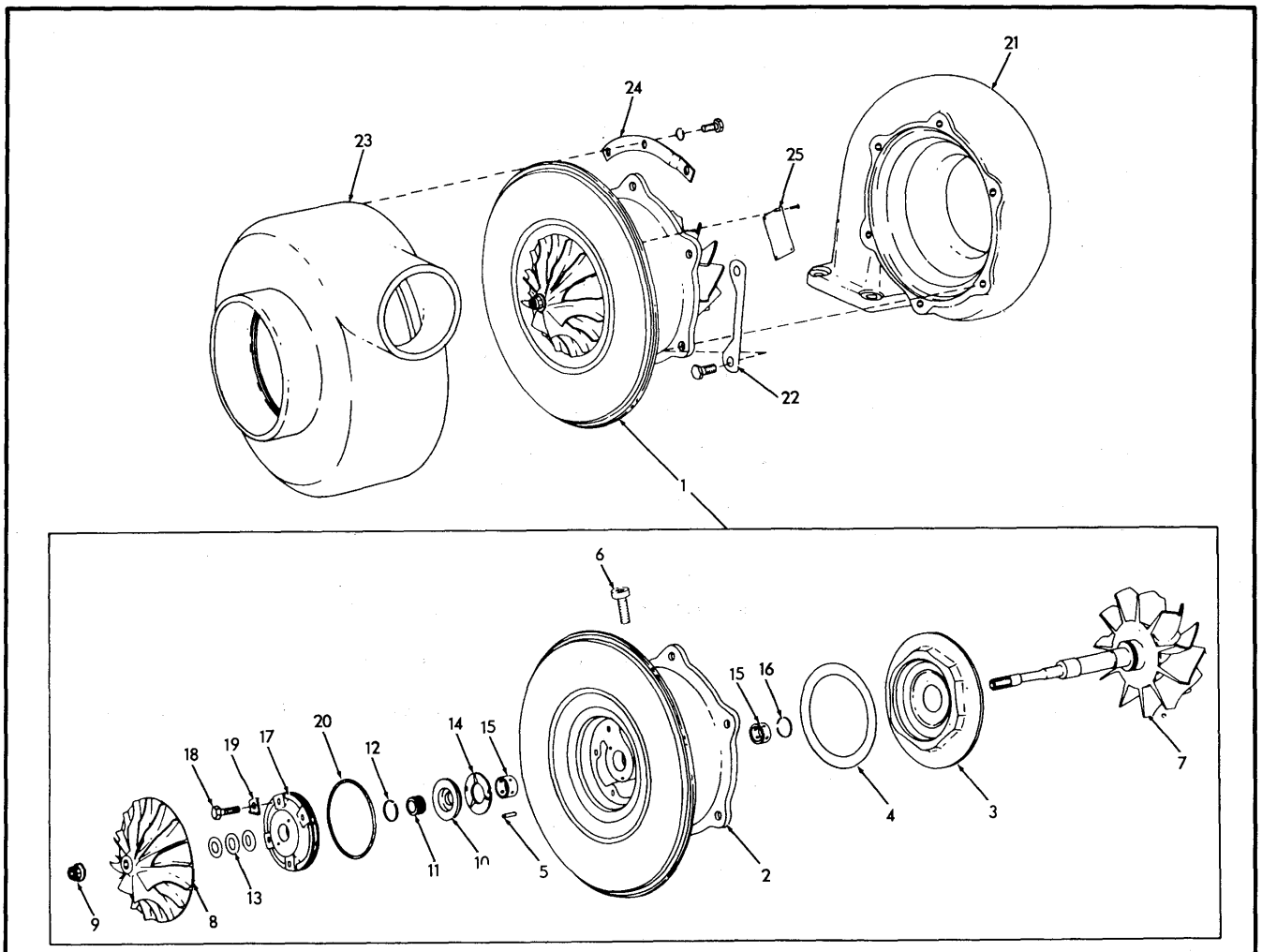
ITEM	PART NO.	QUANTITY *	QUANTITY **	DESCRIPTION
14	4386546	1	-	TUBE ASSY., fuel injection, external (#1 cylinder, includes nuts)
	4390085	-	1	TUBE ASSY., fuel injection, external (#1 cylinder, includes sleeves and nuts)
	4050604	-	2	SLEEVE
	4050603	-	2	NUT
15	4386547	1	-	TUBE ASSY., fuel injection, external (#2 cylinder, includes nuts)
	4390086	-	1	TUBE ASSY., fuel injection, external (#2 cylinder, includes sleeves and nuts)
	4050604	-	2	SLEEVE
	4050603	-	2	NUT
16	4387647	1	-	TUBE ASSY., fuel injection, external (#3 cylinder, includes nuts)
	4390087	-	1	TUBE ASSY., fuel injection, external (#3 cylinder, includes sleeves and nuts)
	4050604	-	2	SLEEVE
	4050603	-	2	NUT
17	4386549	1	-	TUBE ASSY., fuel injection, external (#4 cylinder, includes nuts)
	4390088	-	1	TUBE ASSY., fuel injection, external (#4 cylinder, includes sleeves and nuts)
	4050604	-	2	SLEEVE
	4050603	-	2	NUT
18	4386550	1	-	TUBE ASSY., fuel injection, external (#5 cylinder, includes nuts)
	4390089	-	1	TUBE ASSY., fuel injection, external (#5 cylinder, includes sleeves and nuts)
	4050604	-	2	SLEEVE
	4050603	-	2	NUT
19	4386551	1	-	TUBE ASSY., fuel injection, external (#6 cylinder, includes nuts)
	4390090	-	1	TUBE ASSY., fuel injection, external (#6 cylinder, includes sleeves and nuts)
	4050604	-	2	SLEEVE
	4050603	-	2	NUT
20	4388005	1	1	TUBE ASSY., fuel return (includes NUTS and SLEEVES indented below)
	917809	2	2	NUT, imperial, 1/4" tube
	917806	2	2	SLEEVE, imperial, 1/4" tube (rubber)
	919797	1	1	TEE, imperial, 1/4" tube
	920242	1	1	CONNECTOR, imperial, 1/4" tube, 1/4" NPT male
	919481	1	1	ELBOW, 1/4" tube, 1/4" PT (brass)
	4255188	1	1	CLAMP, fuel return tube (not illustrated)
21	4377266	1	1	TUBE ASSY., fuel return, front (includes NUTS and SLEEVES indented below)
	917809	2	2	NUT, imperial, 1/4" tube
	917806	2	2	SLEEVE, imperial, 1/4" tube (rubber)

(Continued)

FUEL INJECTION LINES (Cont.)

ITEM	PART NO.	QUANTITY *	QUANTITY **	DESCRIPTION
22	4386617	1	1	CLIP, fuel return tube
	901171	1	1	SCREW, machine, #10 NCx 3/8"
	904203	1	1	LOCKWASHER, #10
	901310	1	1	NUT, #10 NC
	915408	1	1	CAPSCREW, 3/8" NC x 3/4"
	904206	1	1	LOCKWASHER, 3/8"
	911421	1	1	WASHER, plain, 11/32"
23	4379737	1	1	TUBE ASSY., fuel return, rear (includes NUTS and SLEEVES indented below)
	917809	2	2	NUT, imperial, 1/4" tube
	917806	2	2	SLEEVE, imperial, 1/4" tube (rubber)
24	4507415	2	2	PLATE, clamping, injection lines
	918794	4	4	CAPSCREW, 1/4" NC x 1-3/8"
	904204	4	4	LOCKWASHER, 1/4"
	910880	4	4	NUT, 1/4" NC (effective engine serial no. 19-01501)
25	4388148	2	2	BRACKET, supporting, injection lines
	910244	4	4	WASHER, plain, SAE std., 1/2"
26	4507359	4	4	SPACER, injection lines (rubber)
27	-------	-	-	STUD, nozzle holder clamp (See VALVE OPERATING MECHANISM)

☐ Also see PACKAGED PARTS



T-36187

TURBOCHARGER ASSEMBLY (T-1817) (FIRST TYPE)

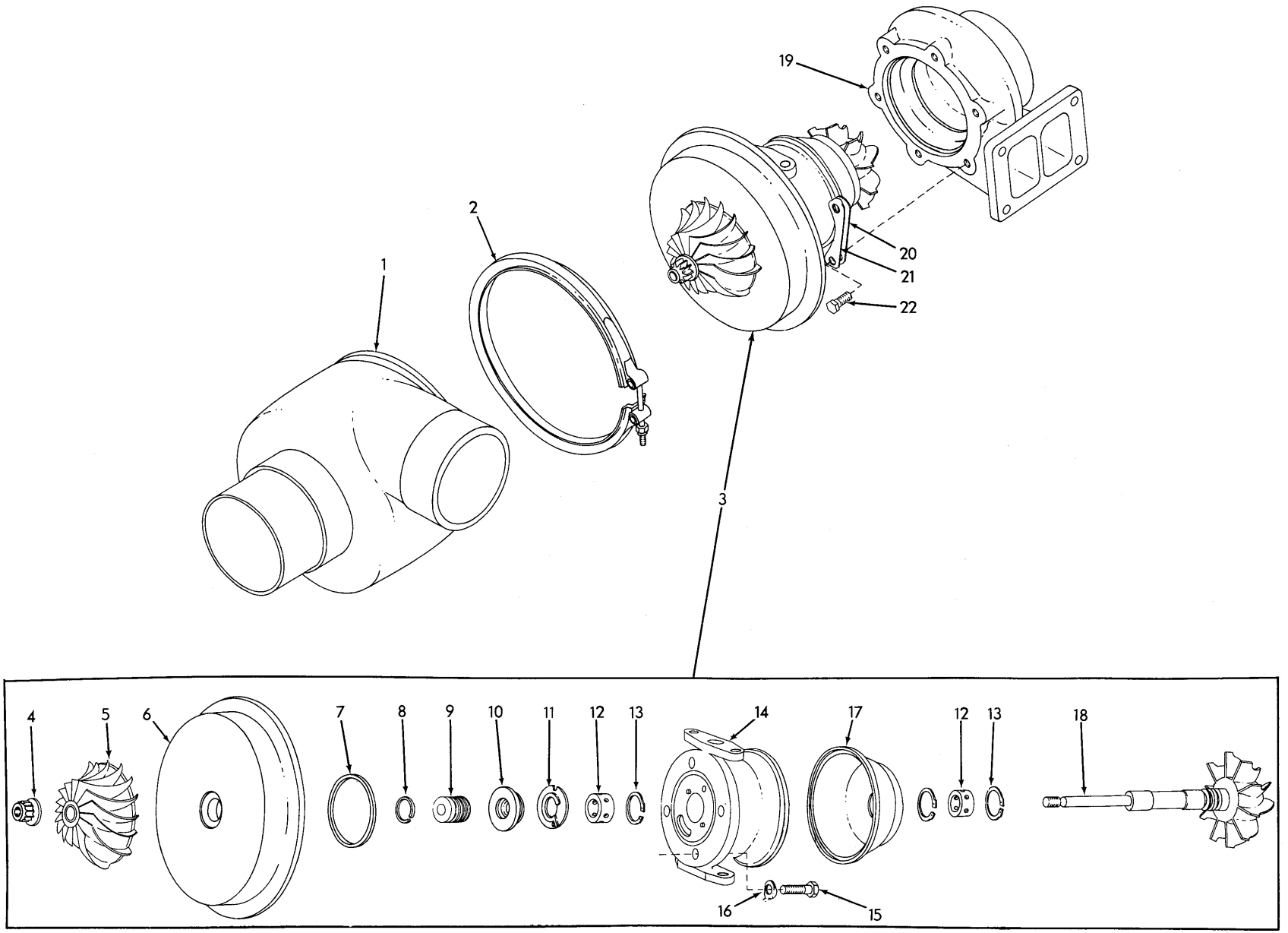
USAGE: Used on 19000 engine thru serial no. 19-01868

ITEM	PART NO.	QTY.	DESCRIPTION
-	4389969	1	TURBOCHARGER ASSY. (T-1817) (includes items 1 thru 25)
1	4056616	1	HOUSING AND ROTATING ASSY. (consists of items 2 thru 20)
2	4056617	1	HOUSING ASSY., center (includes items 3 thru 6)
3	-------	1	SHROUD, wheel (not serviced - order item 2)
4	-------	1	WASHER, locking, wheel shroud (not serviced - order item 2)
5	4055187	2	PIN, dowel, center housing
6	4055190	1	PLUG, oil reservoir, center housing
7	4056620	1	WHEEL ASSY. (includes shaft)

(Continued)

TURBOCHARGER ASSEMBLY (T-1817) (FIRST TYPE) (Cont.)

ITEM	PART NO.	QTY.	DESCRIPTION
8	4056621	1	IMPELLER
9	4055201	1	NUT, impeller retaining
10	4056494	1	COLLAR, thrust
11	4056339	1	SPACER, thrust
12	4055195	1	RING, sealing
13	4055197	-	SHIM, impeller (.002" thick) } Use as required
	4055198	-	SHIM, impeller (.005" thick) } Use as required
	4055199	-	SHIM, impeller (.010" thick) } Use as required
14	4055192	1	BEARING, thrust
15	4056295	2	BEARING, impeller shaft
16	4056296	3	RING, snap
17	4055193	1	PLATE ASSY., thrust, center housing (includes riveted washer)
18	4055196	4	CAPSCREW (#10 NC x 7/8")
19	4055194	4	PLATE, locking
20	4053336	1	O-RING, thrust plate
21	4055982	1	HOUSING, turbine
	4056026	6	CAPSCREW
22	4055981	3	PLATE, capscrew locking
23	4055202	1	HOUSING ASSY., compressor (includes venturi)
24	4055203	6	CLAMP, compressor housing
	903626	12	CAPSCREW, 5/16" NC x 3/4"
	917356	12	LOCKWASHER, pltd., 5/16"
25	4055206	1	PLATE, name
	4049009	4	SCREW, drive



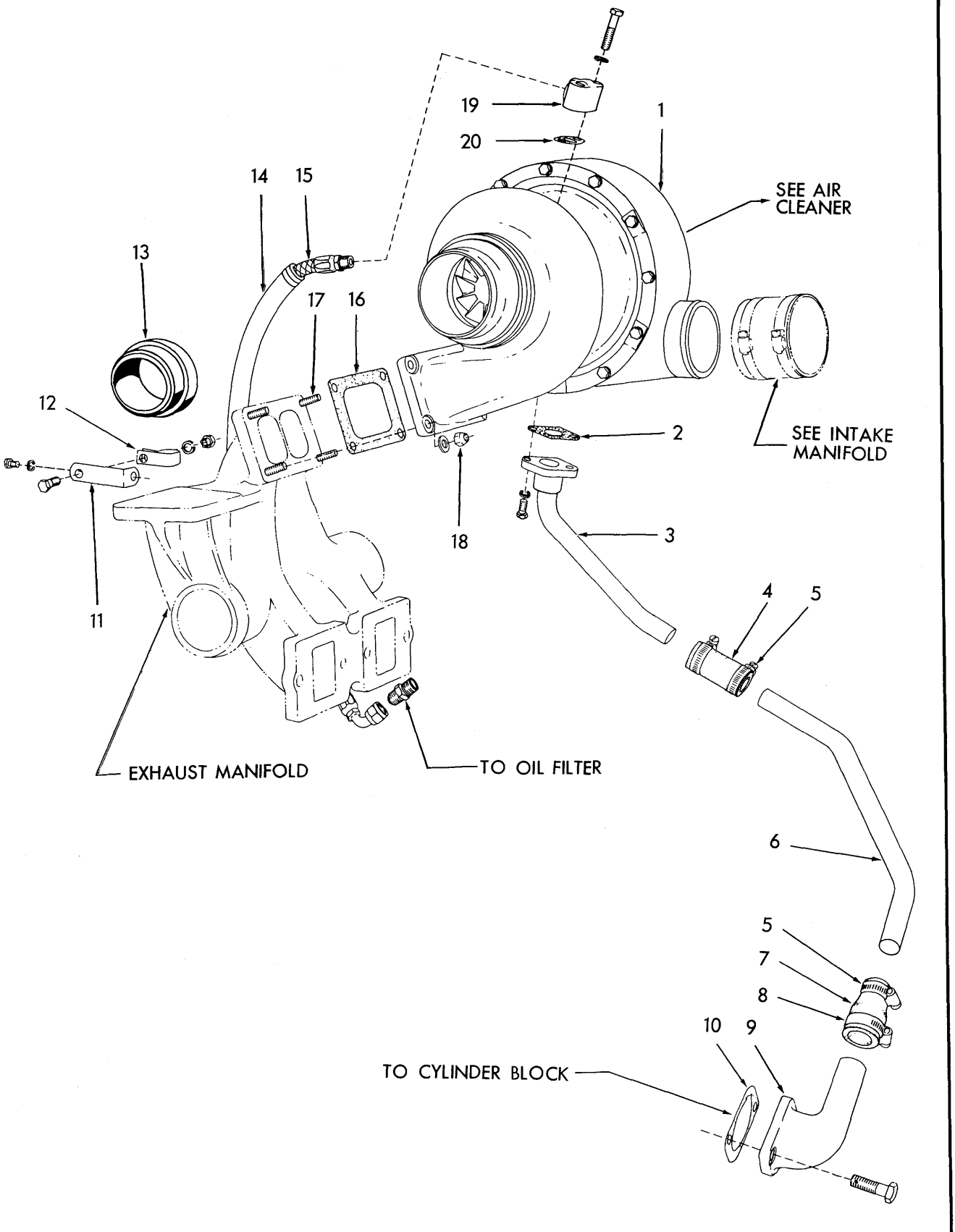
T-70408

TURBOCHARGER ASSEMBLY (TE 0666) (SECOND TYPE)

TURBOCHARGER ASSEMBLY (TE 0666) (SECOND TYPE)

USAGE: Used on 19000 Mark II engine effective serial no. 19-01869 and up

ITEM	PART NO.	QTY.	DESCRIPTION
-	4390177	1	TURBOCHARGER ASSY. (TE 0666) (includes items 1 thru 22)
1	4059020	1	HOUSING ASSY., compressor (includes impeller shroud and locating pin)
2	4056302	1	COUPLING, compressor housing
3	4059021	1	HOUSING ASSY., center (consists of items 4 thru 19)
4	4056291	1	LOCKNUT, impeller retaining
5	4059023	1	IMPELLER, compressor
6	4059030	1	BACKPLATE ASSY. (includes thrust washer and orifice pin)
7	4056300	1	RING, end plate sealing
8	4055195	1	RING, sealing, turbine wheel shaft, compressor end
9	4056289	1	SPACER, thrust
10	4059029	1	COLLAR, thrust
11	4056294	1	BEARING, thrust
12	4056295	2	BEARING, turbine wheel
13	4056296	3	RING, snap, bearing retaining
14	4059024	1	HOUSING ASSY., center (includes dowels)
15	4181061	4	BOLT, backplate attaching
16	4056298	4	LOCKPLATE, backplate attaching bolt
17	4956293	1	SHROUD, heat, turbine end
18	4059022	1	WHEEL, turbine
19	4059019	1	HOUSING, turbine
20	4056306	3	PLATE, clamp, center housing
21	4056305	3	LOCKPLATE, clamp plate bolt
22	4056314	6	BOLT, clamp plate (3/8" NC x 5/8")

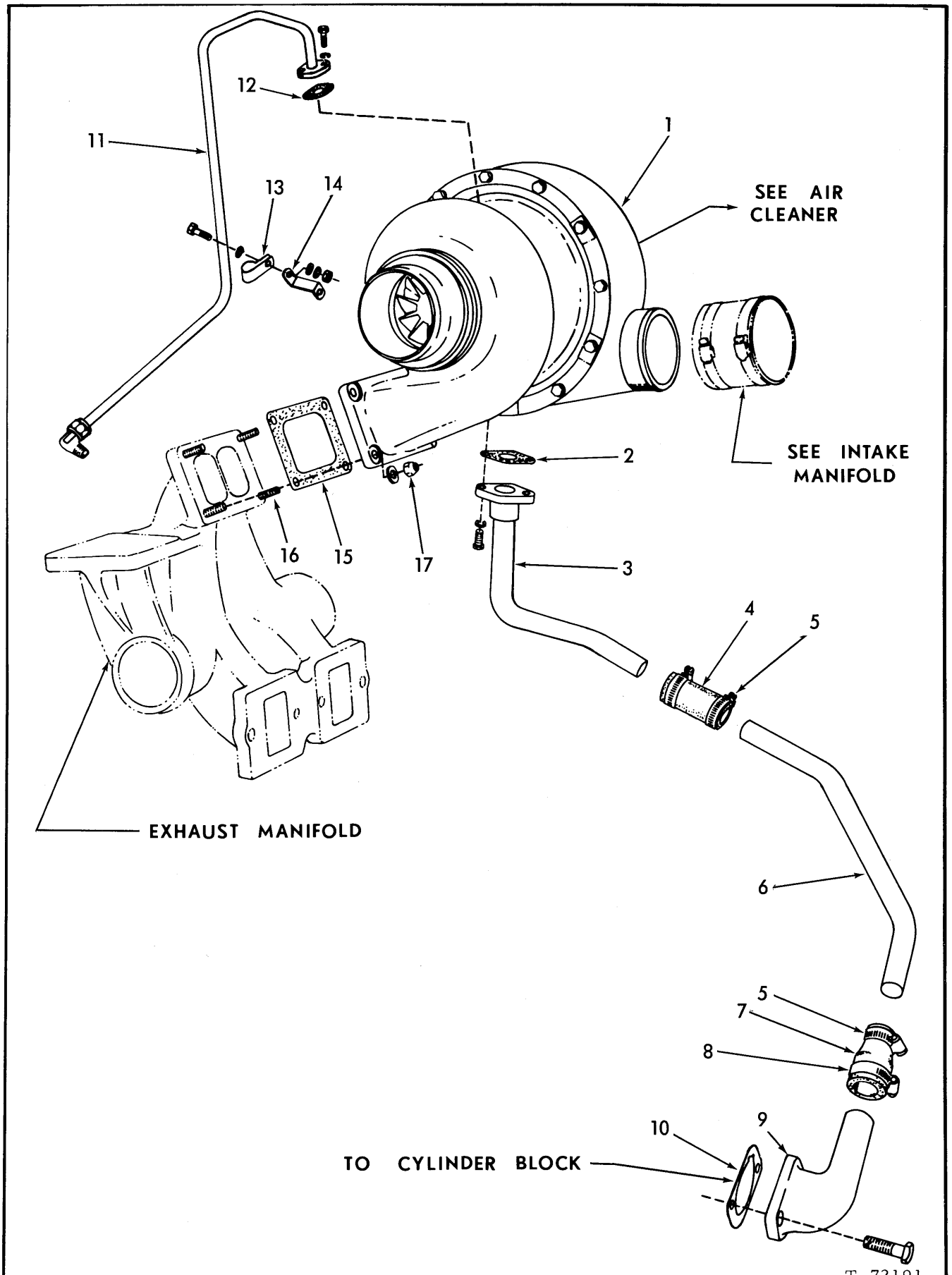


TURBOCHARGER CONNECTIONS (FIRST TYPE)

TURBOCHARGER CONNECTIONS (FIRST TYPE)

USAGE: 19000 engine prior to serial no. 19-01869

ITEM	PART NO.	QTY.	DESCRIPTION
1	-------	1	TURBOCHARGER ASSY. (see page 80
2	4335649	1	GASKET, oil drain line, upper (see item 21)
3	4385614	1	TUBE, oil drain line, upper
	916269	2	CAPSCREW, 3/8" NC x 7/8"
	904206	2	LOCKWASHER, 3/8"
4	4387867	1	HOSE, oil drain line
5	4254968	3	CLAMP, hose (small)
6	4379913	1	TUBE, oil drain line, lower
7	4379723	1	ADAPTER, oil drain line
8	4254991	1	CLAMP, hose (large)
9	4379672	1	ELBOW, oil drain line
	921865	2	CAPSCREW, nylok, 1/2" NC x 1"
10	4310257	1	GASKET, oil drain line elbow (see item 21)
11	4385412	1	BRACKET, hose supporting
	916268	1	CAPSCREW, 3/8" NC x 5/8"
	904206	1	LOCKWASHER, 3/8"
12	4254646	1	CLIP, hose supporting
	915408	1	CAPSCREW, 3/8" NC x 3/4"
	904206	1	LOCKWASHER, 3/8"
	910324	1	NUT, 3/8" NC
13	4386256	1	ADAPTER, hose (see EXHAUST PIPE) (used prior to engine serial no. 19-01764)
14	4379283	1	SLEEVE, hose protecting (asbestos)
	916897	2	CLAMP, hose, 15/16" I.D.
15	4386238	1	HOSE ASSY., oil supply line (see HOSE PARTS) (Also includes item 14)
	919063	1	CONNECTOR, flare type, 1/2" tube, 3/8" NPT male
16	4336558	1	GASKET, turbocharger to manifold (see item 21)
17	4339535	4	STUD, turbocharger attaching
18	4385387	4	NUT
	913544	4	WASHER, plain, 13/32" I.D. x 3/4" O.D. x 1/16" thick
19	4386237	1	FLANGE, oil supply line
	919226	2	CAPSCREW, 3/8" NC x 1-5/8"
	904206	2	LOCKWASHER, 3/8"
20	4335647	1	GASKET, oil supply line flange (see item 21)
21	4387007	1	GASKET KIT, (consists of items 2, 10, 16, 20) (not illustrated)

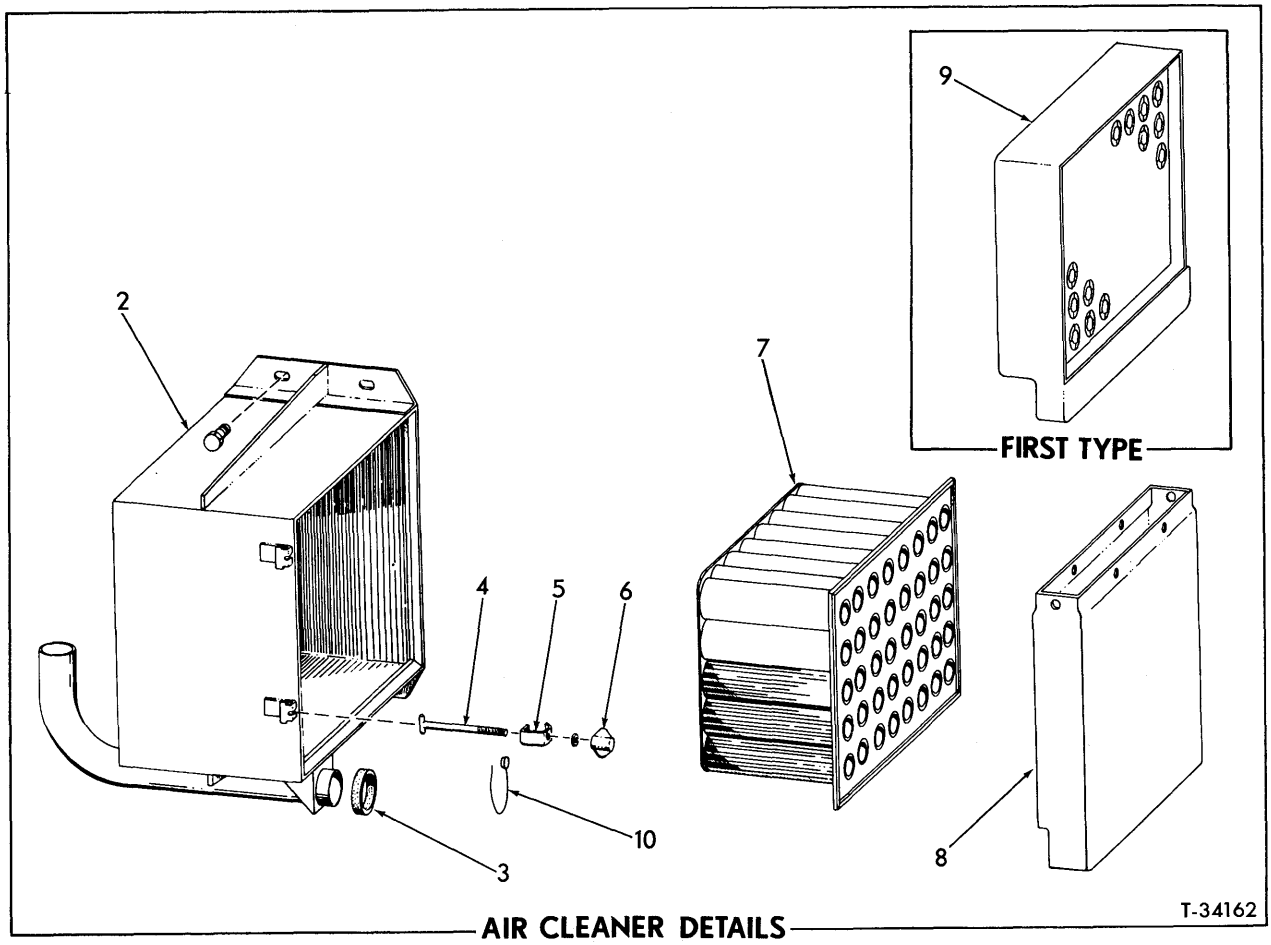


TURBOCHARGER AND CONNECTIONS (SECOND TYPE)

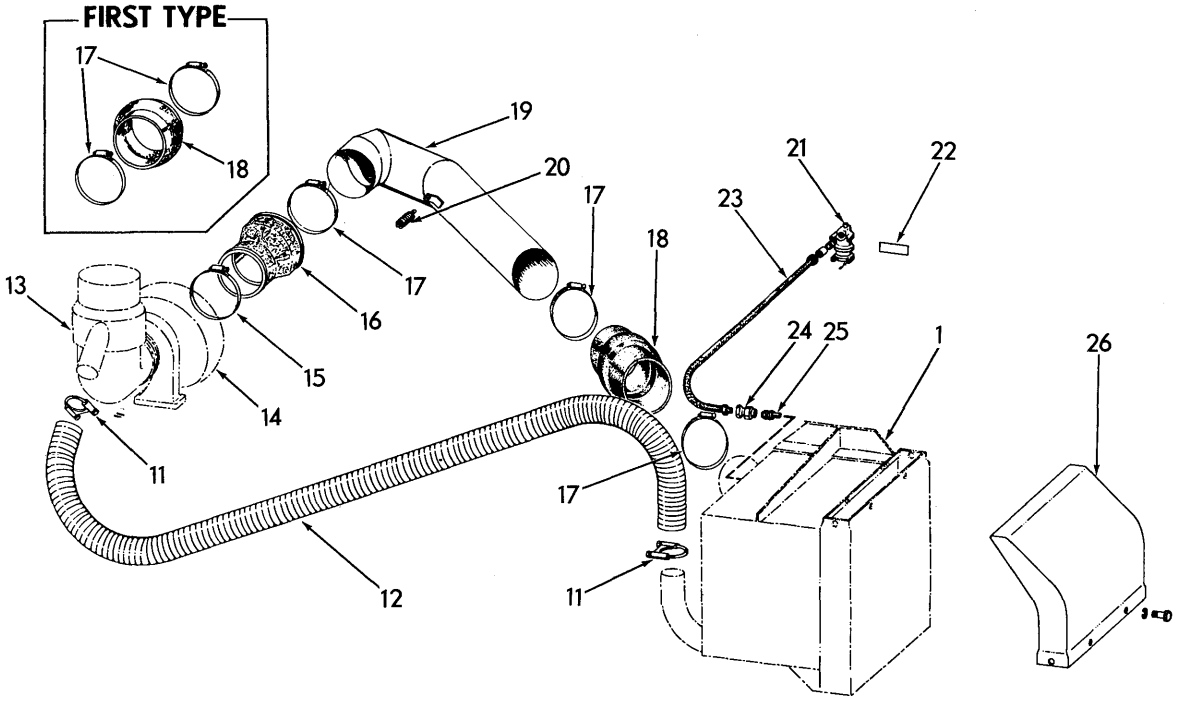
TURBOCHARGER AND CONNECTIONS (SECOND TYPE)

USAGE: Engine Model 19000 Mark II effective serial no. 19-01869 and up

ITEM	PART NO.	QTY.	DESCRIPTION
1	-------	1	TURBOCHARGER ASSY. (See page 82)
2	4339532	1	GASKET, oil drain line, upper
3	4390202	1	TUBE, oil drain line, upper
	916269	2	CAPSCREW, 3/8" NC x 7/8"
	904206	2	LOCKWASHER, 3/8"
4	4387867	1	HOSE, oil drain line
5	4254968	3	CLAMP, hose (small)
6	4379913	1	TUBE, oil drain line, lower
7	4379723	1	ADAPTER, oil drain line
8	4254991	1	CLAMP, hose (large)
9	4379672	1	ELBOW, oil drain line
	921865	2	CAPSCREW, nylok, 1/2" NC x 1"
10	4310257	1	GASKET, oil drain line elbow
11	4390200	1	TUBE ASSY., turbo oil supply
	919005	1	ELBOW, male, 3/8" tube, 3/8" PT
	916269	2	CAPSCREW, 3/8" NC x 7/8"
	904206	2	LOCKWASHER, 3/8"
12	4339533	1	GASKET, oil supply tube
13	4378298	1	CLAMP, oil supply tube
	915408	1	CAPSCREW, 3/8" NC x 3/4"
	904206	1	LOCKWASHER, 3/8"
	912007	1	WASHER, plain, 3/8"
	910324	1	NUT, 3/8" NC
14	4390343	1	BRACKET, oil supply tube clamp
	4250723	1	WASHER, plain (not illustrated)
15	4336558	1	GASKET, turbocharger to manifold
16	4339535	4	STUD, turbocharger mounting
17	4385387	4	NUT
	913544	4	WASHER, plain, 13/32" I. D. x 3/4" O. D. x 1/16" thick



AIR CLEANER DETAILS



AIR CLEANER

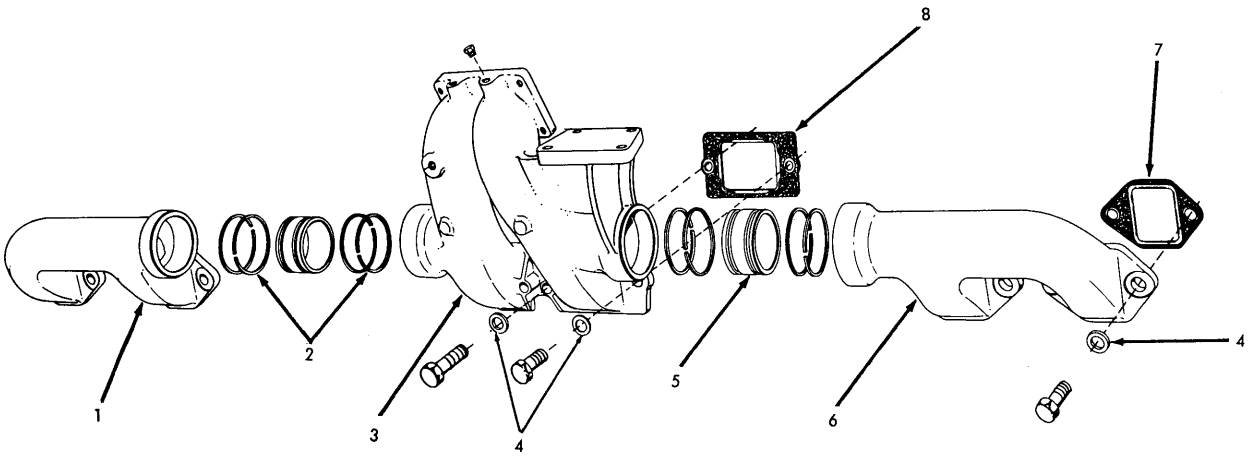
AIR CLEANER

ITEM	PART NO.	QTY.	DESCRIPTION
1	191968	1	CLEANER ASSY., air (includes items 2 thru 7, and 9) (used prior to tractor serial no. 6818)
	196145	1	CLEANER ASSY., air (includes items 2 thru 8) (effective tractor serial no. 6818 and up)
	917404	4	CAPSCREW, cd. pltd., 1/2" NC x 1-1/2"
	918227	4	LOCKWASHER, dome, ext. tooth, 1/2"
	916951	4	NUT, cd. pltd., 1/2" NC
	912333	8	WASHER, plain, 17/32"
2	------	1	HOUSING, air cleaner (not serviced - order item 1)
3	188495	1	GASKET (cemented to item 2)
4	197363	4	T-BOLT (used prior to tractor serial no. 6818)
	196663	4	T-BOLT (effective tractor serial no. 6818)
5	196662	4	CLAMP, hook
6	056863	4	NUT, wing
	------	4	LOCKWASHER, pltd., 5/16" (FIRST TYPE, replace each with 6 - 197362 WASHERS)
	197362	24	WASHER, belleville (SECOND TYPE)
7	185824	1	CARTRIDGE, filter
8	196528	1	PANEL ASSY. (effective tractor serial no. 6818 and up)
9	185823	1	PRE-CLEANER (used prior to tractor serial no. 6818)
10	4355843	1	SEAL, anti-tampering (not included in Air Cleaner)
11	185502	2	CLAMP ASSY. (includes Clamp, U-Bolt and Nut - serviced only as a unit)
12	185369	1	HOSE, metal flexible
13	------	-	See EXHAUST PIPE
14	------	-	See TURBOCHARGER ASSY.
15	197516	1	CLAMP } Effective with 19000 Mark II engine serial no. 19-01869
16	4379647	1	CONNECTOR, turbocharger inlet } Effective with 19000 Mark II engine serial no. 19-01869
17	197605	3	CLAMP (four used, with 19000 engine thru serial no. 19-01868)
18	174608	1	HOSE, air cleaner (two used with 19000 engine thru serial no. 19-01868)
19	185364	1	DUCT ASSY., air (welded)
20	171307	1	SPRING
21	631564	1	INDICATOR, filter service
	916532	2	SCREW, rd. hd., cd. pltd., 1/4" NC x 3/4"
	916964	2	LOCKWASHER, pltd., 1/4"
	916622	2	NUT, cd. pltd., 1/4" NC
22	------	1	TRANSFER, indicator instruction (See PAINTING & MARKING)

(Continued)

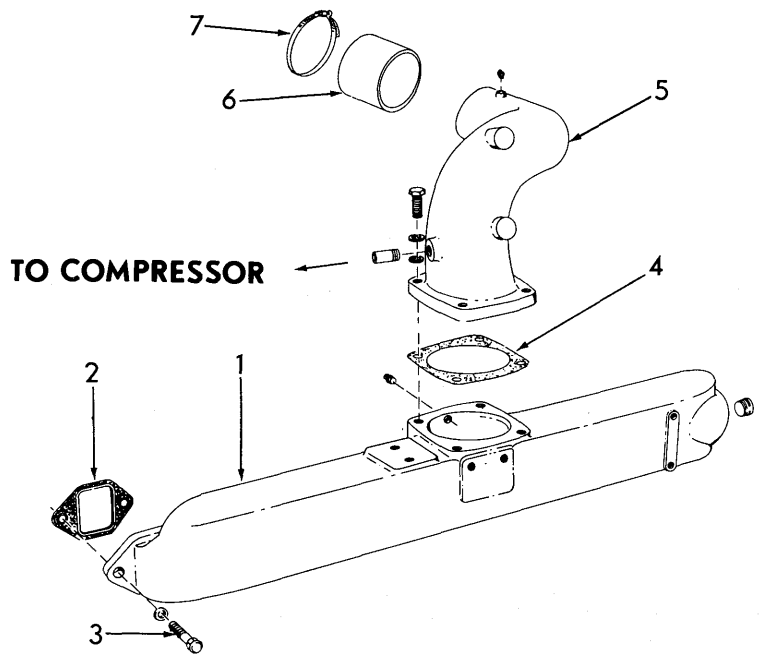
AIR CLEANER (Cont.)

ITEM	PART NO.	QTY.	DESCRIPTION	
23	------	1	HOSE, 1/4" I. D. x 28-1/8" (order item 27)	
	920800	2	FITTING, male, socketless, 1/4" I. D. hose, 1/8" PT	
	916705	1	NIPPLE, pipe, 1/8" x 1"	
	901763	1	COUPLING, pipe, str., 1/8"	
24	183652	1	UNION, adapter, female, str., 1/8" NPT	
25	622447	1	FITTING, connector (includes filter)	
26	196144	1	ADAPTER, intake	Effective tractor serial no. 6818 and up
	908295	6	CAPSCREW, cd. pltd., 1/4" NC x 1/2"	
	916965	6	LOCKWASHER, pltd., 1/4"	
27	920720	-	HOSE, low pressure, 1/4" I. D. x 25 ft. long (use as required)	



EXHAUST MANIFOLD

ITEM	PART NO.	QTY.	DESCRIPTION
1	4374694	1	MANIFOLD, rear section
2	4376036	8	RING, sealing
3	4387014	1	MANIFOLD, exhaust, center section
	917425	2	PLUG, pipe, hex hd., brass, 1/4" NPT
4	4371107	12	WASHER, manifold capscrew
	916317	2	CAPSCREW, 1/2" NC x 2-3/4" (center)
	915987	10	CAPSCREW, 1/2" NC x 1-1/2"
5	4375355	2	SLEEVE, connecting
6	4374695	1	MANIFOLD, front section
7	4375865	4	☐ GASKET, manifold
8	4379167	2	☐ GASKET, center manifold
			☐ Also see PACKAGED PARTS



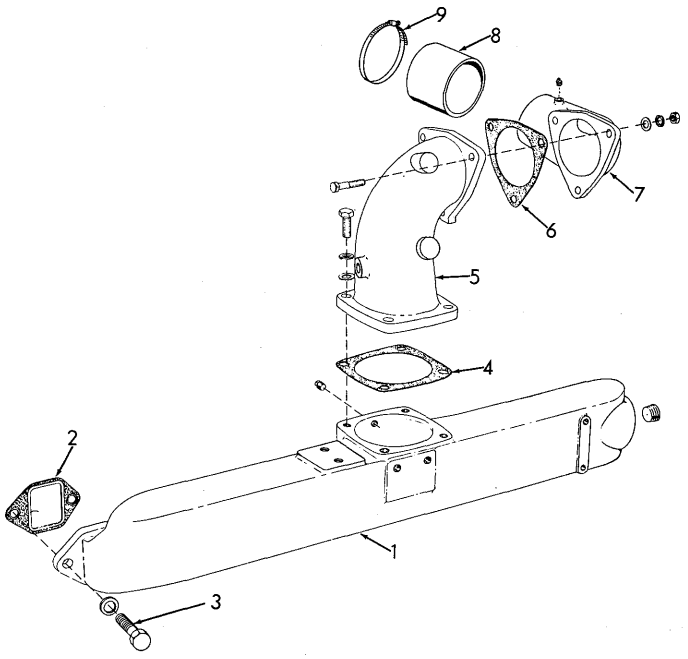
T-35662-A

INTAKE MANIFOLD (FIRST TYPE)

USAGE: Used on 19000 engine thru serial no. 19-01868

ITEM	PART NO.	QTY.	DESCRIPTION
1	4386948	1	MANIFOLD, air intake
	922420	1	PLUG, pipe, ctsk., 1-1/2"
2	4387697	6	☐ GASKET, air intake manifold
3	920541	12	CAPSCREW, nylok, 1/2" NC x 1-1/2"
	910244	12	WASHER, plain, SAE std., 1/2"
4	4361551	1	☐ GASKET, elbow to manifold
5	4386804	1	ELBOW, turbocharger air outlet
	913230	1	NIPPLE, pipe, 3/4" x 1-1/2"
	919840	1	PLUG, pipe, hex-hd., 1/4"
	903638	4	CAPSCREW, 1/2" NC x 1-1/4"
	904208	4	LOCKWASHER, 1/2"
6	4388350	1	HOSE, elbow to turbocharger (3-1/2" I.D. x 2-3/4")
7	4255348	2	CLAMP, hose, adjustable (3-3/4" diam.)

☐ Also see PACKAGED PARTS



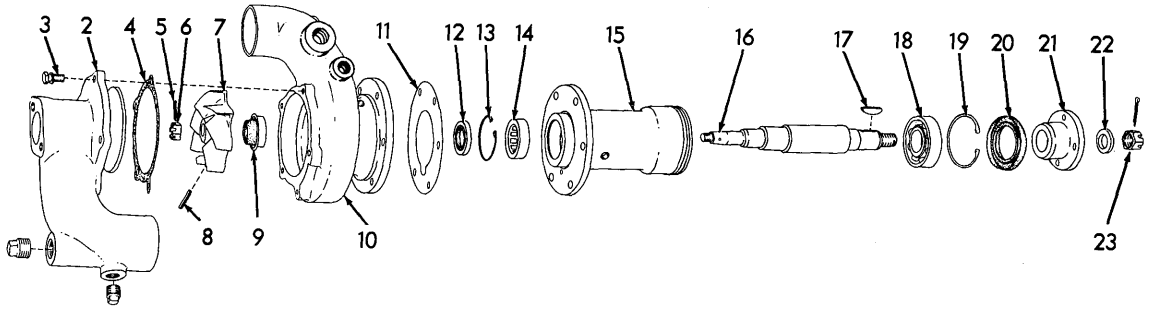
T-19655-A

INTAKE MANIFOLD (SECOND TYPE)

USAGE: Effective 19000 Mark II engine serial no. 19-01869

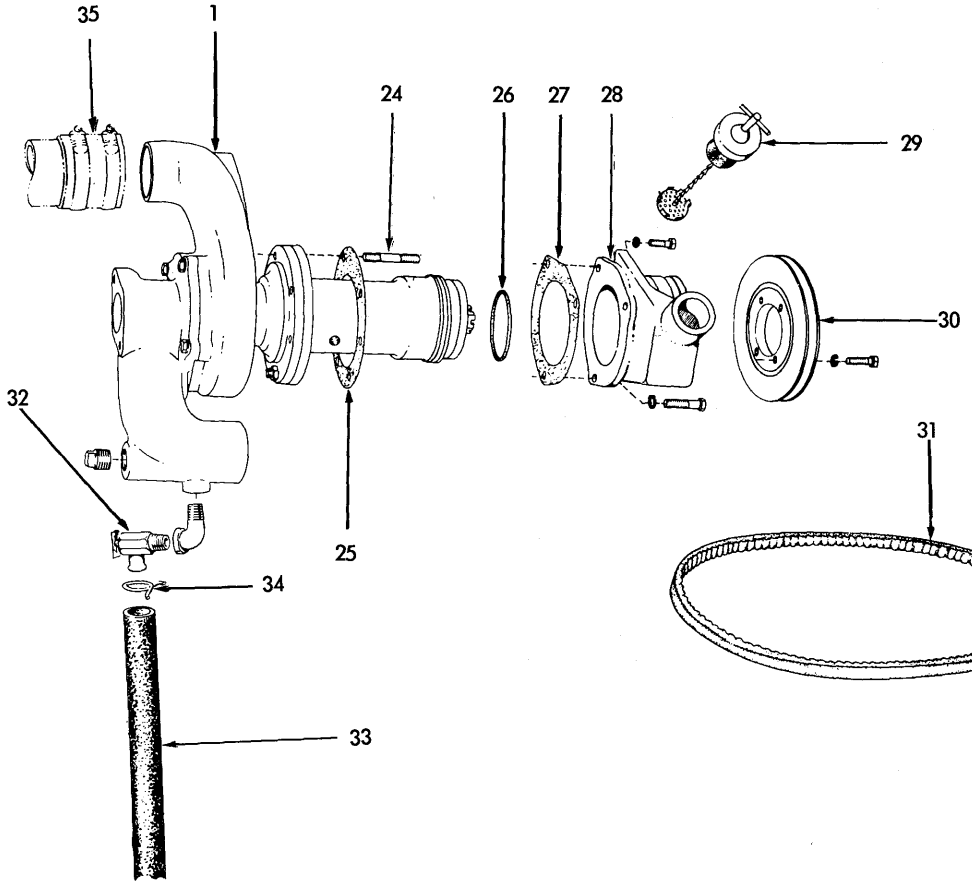
ITEM	PART NO.	QTY.	DESCRIPTION
1	4386948	1	MANIFOLD, intake
	922420	1	PLUG, pipe, ctsk., 1-1/2"
2	4387697	6	☐ GASKET, intake manifold
3	920541	12	CAPSCREW, nylok, 1/2" NC x 1-1/2"
	910244	12	WASHER, plain, SAE std., 1/2"
4	4361551	1	☐ GASKET, elbow to manifold
5	4378548	1	ELBOW, intake manifold
	920333	1	PLUG, pipe, hex hd., 3/8"
	915987	4	CAPSCREW, 1/2" NC x 1-1/2"
	904208	4	LOCKWASHER, 1/2"
	912333	4	WASHER, plain (17/32" I.D. x 15/16" x .065" thick)
6	4374774	1	☐ GASKET, intake elbow
7	4379562	1	ELBOW, intake
	916272	1	CAPSCREW, 3/8" NC x 1-1/4"
	916273	2	CAPSCREW, 3/8" NC x 1-3/4"
	911115	3	WASHER, plain, 3/8"
	904206	3	LOCKWASHER, 3/8"
	910324	2	NUT, 3/8" NC
	919840	1	PLUG, pipe, hex hd., 1/4"
8	4388349	1	HOSE, elbow to turbocharger
9	4255644	2	CLAMP, hose

☐ Also see PACKAGED PARTS



T-35716

WATER PUMP DETAILS



T-35715-A

WATER PUMP

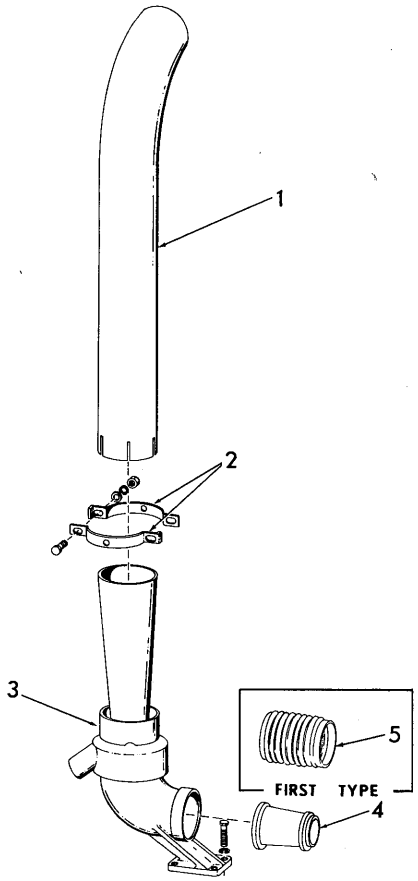
WATER PUMP

ITEM	PART NO.	QTY.	DESCRIPTION
1	4387607	1	PUMP ASSY., water (includes items 2 thru 23)
2	4375682	1	COVER, pump inlet
	-------	1	PLUG, pipe, 3/8" NPT } For Shipping only
	-------	1	PLUG, pipe, 1/2" NPT }
3	4041092	4	CAPSCREW assy. (includes lockwasher)
4	4372421	1	GASKET, pump inlet cover
5	4041097	1	PIN, cotter, impeller retaining nut
6	4375686	1	NUT, impeller retaining
7	4386860	1	IMPELLER ASSY. (includes ceramic insert)
8	4375694	1	PIN, impeller retaining
9	4386862	1	SEAL ASSY. (serviced only as a unit)
10	4387609	1	BODY, pump
11	4387051	1	GASKET, pump body
12	4387605	1	SEAL, oil, rear end
13	4254100	1	RING, snap, rear bearing
14	4255338	1	BEARING, roller (rear)
15	4387050	1	SLEEVE, extension
16	4387606	1	SHAFT
17	4660677	1	KEY, pump shaft
18	4253871	1	BEARING, ball (front)
19	4253318	1	RING, snap, front bearing
20	4254948	1	SEAL, oil, front end
21	4386924	1	HUB, drive
22	4375691	1	WASHER, hub retaining
23	4052167	1	NUT, hub retaining
	900808	1	PIN, cotter, 1/8" x 1-1/2"
24	4513810	5	STUD, pump mounting
	904206	5	LOCKWASHER, 3/8"
	910123	5	NUT, 3/8" NF
25	4376398	1	☐ GASKET, pump mounting
26	4253806	1	☐ O-RING, pump body

(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
27	4361740	1	GASKET, filler pipe
28	4388193	1	PIPE, filler
	919224	1	CAPSCREW, 3/8" NC x 1-1/8"
	912069	2	CAPSCREW, 3/8" NC x 2-1/2"
	904206	3	LOCKWASHER, 3/8"
29	4354449	1	CLOSURE ASSY., filler pipe (includes chain and Strainer)
30	4388075	1	PULLEY (6-1/2" diam.)
	916384	4	CAPSCREW, 3/8" NF x 1-3/8"
	904206	4	LOCKWASHER, 3/8"
31	4388393	1	BELT, water pump/generator driving
32	089894	1	COCK, water drain
	901723	1	ELBOW, street, 90°, 3/8"
33	643744	1	HOSE, water drain
34	089107	1	CLAMP, hose, spring type, 15/16" diam.
35	-------	1	HOSE (See WATER INLET MANIFOLD AND HEAT EXCHANGER)

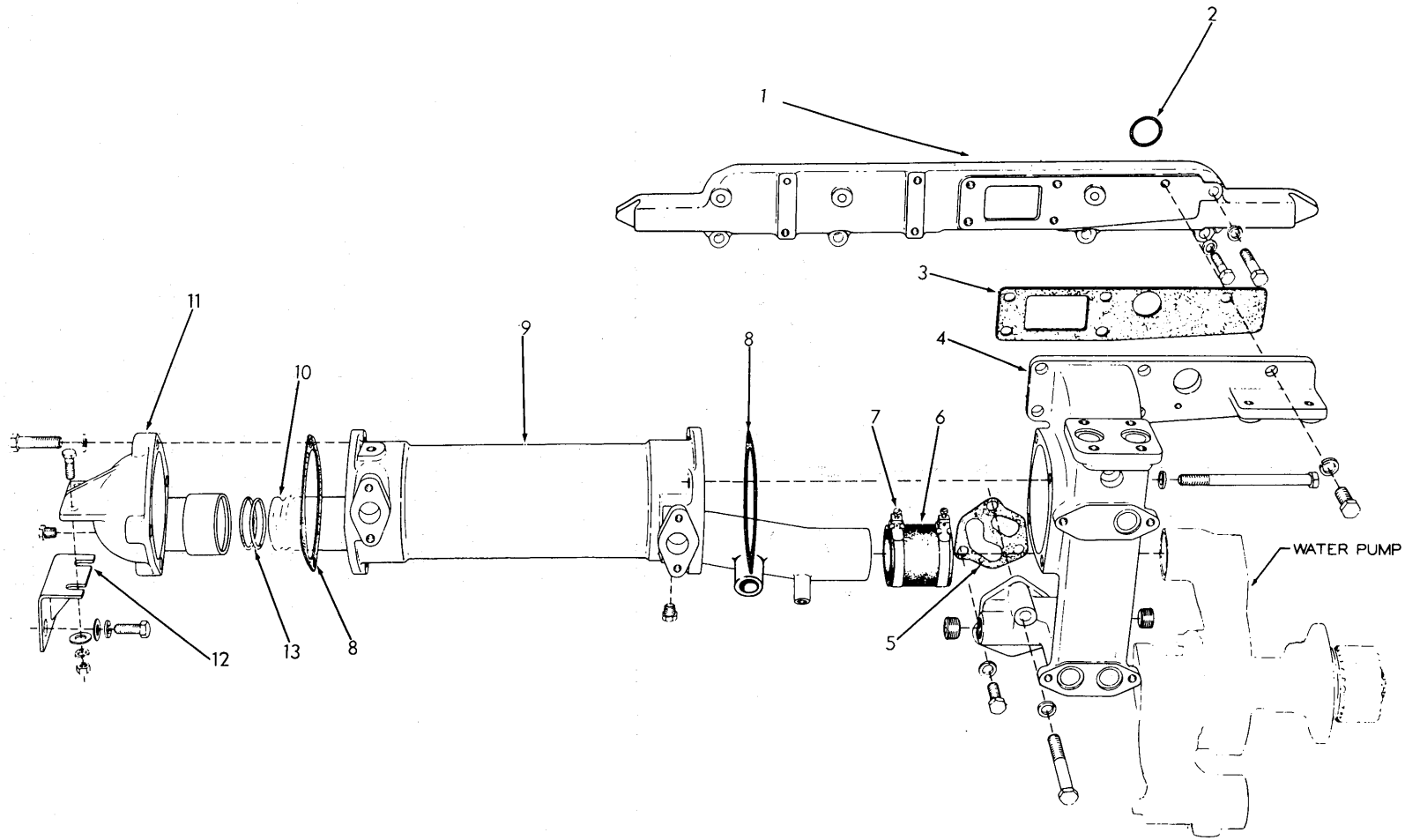
☐ Also see PACKAGED PARTS



T-35650

EXHAUST PIPE

ITEM	PART NO.	QTY.	DESCRIPTION
1	096055	1	PIPE, exhaust
2	095589	2	CLAMP, exhaust pipe
	915480	2	CAPSCREW, 3/8" NF x 1-3/4"
	900817	2	WASHER, plain, 3/8"
	904206	2	LOCKWASHER, 3/8"
	911041	2	NUT, 3/8" NF
3	185558	1	ELBOW ASSY., exhaust (welded) (used prior to tractor serial no. 6841)
	196149	1	ELBOW ASSY., exhaust (welded) (effective tractor serial no. 6841 and up)
	919230	4	CAPSCREW, 1/2" NC x 1-3/8"
	904208	4	LOCKWASHER, 1/2"
4	4390071	1	DIFFUSER, turbocharger (used on tractors with engine serial nos. 19-01764 thru 19-01869)
	4390172	1	DIFFUSER, turbocharger (effective on tractors with 19000 Mark II engine serial no. 19-01869 and up)
5	4386233	1	HOSE, turbocharger connection (used prior to tractor serial no. 6087) } Used with engines prior to serial no. 19-01764
	4388209	1	HOSE, turbocharger connection (used on tractor serial no. 6087 thru 7097) } Used with engines prior to serial no. 19-01764



T-35721-A

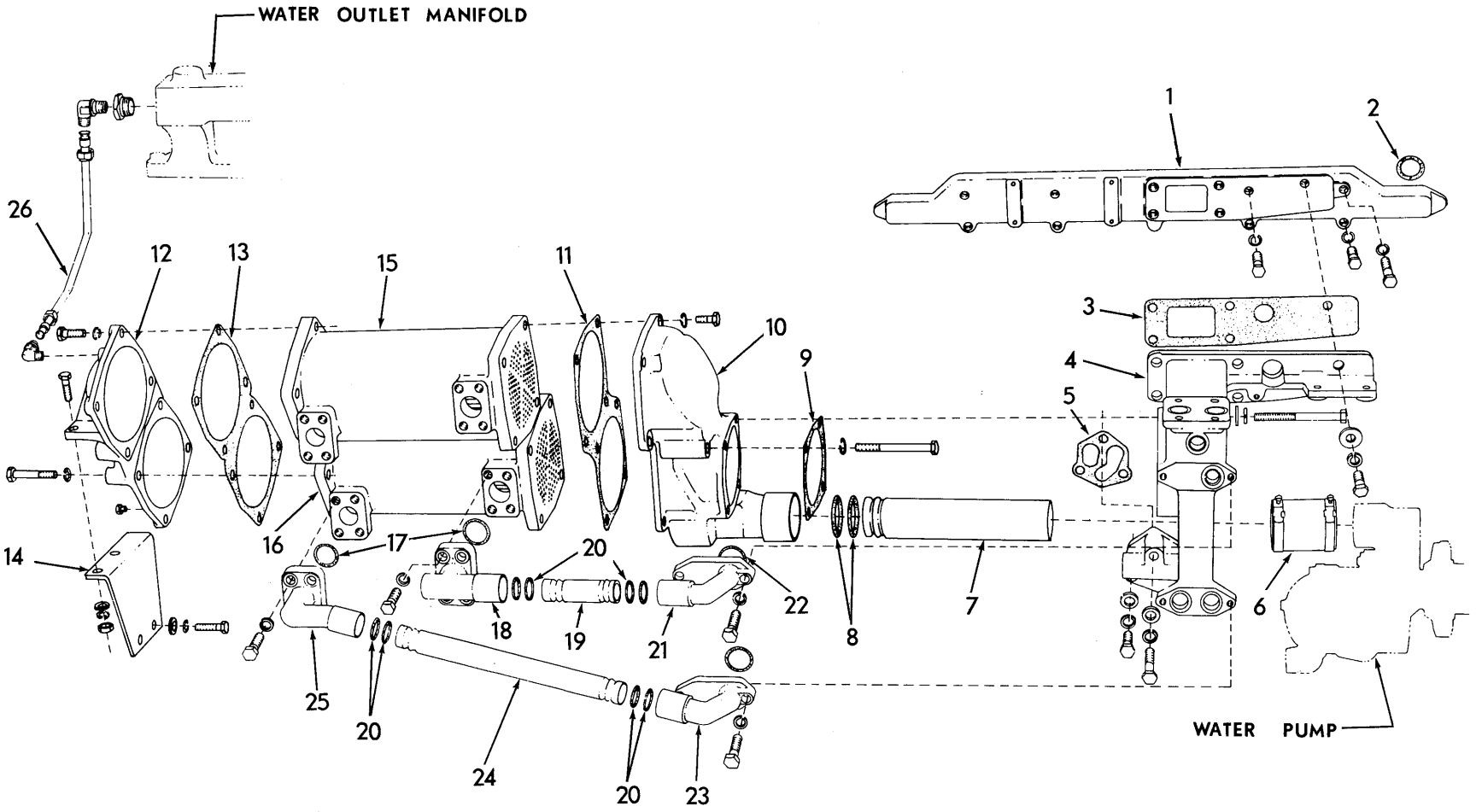
WATER INLET MANIFOLD AND HEAT EXCHANGER (FIRST TYPE)

WATER INLET MANIFOLD AND HEAT EXCHANGER (FIRST TYPE)

USAGE: Used on engine serial numbers thru 19-01939

ITEM	PART NO.	QTY.	DESCRIPTION
1	4389289	1	MANIFOLD, water inlet
	901653	1	PLUG, pipe, sq. hd., 3/8"
	919231	4	CAPSCREW, 1/2" NC x 1-7/8"
	916317	3	CAPSCREW, 1/2" NC x 2-3/4"
	915969	1	CAPSCREW, 1/2" NC x 3"
	904208	8	LOCKWASHER, 1/2"
	912333	8	WASHER, plain, 1/2"
2	923576	12	☐ O-RING, water inlet manifold
3	4389291	1	☐ GASKET, water and oil manifold
4	4388147	1	MANIFOLD ASSY., water and oil
	916311	5	CAPSCREW, 1/2" NC x 1-1/4"
	915987	2	CAPSCREW, 1/2" NC x 1-1/2"
	916320	1	CAPSCREW, 1/2" NC x 4"
	904208	8	LOCKWASHER, 1/2"
5	4386495	1	☐ GASKET, manifold to block
6	4378843	1	HOSE, heat exchanger to water pump
7	4253464	2	CLAMP, hose
8	4371160	2	☐ GASKET, heat exchanger
9	4377644	1	EXCHANGER, heat, torque converter fluid
	919840	1	PLUG, pipe, hex-hd., 1/4" NPT
	916322	4	CAPSCREW, 1/2" NC x 5"
	904208	4	LOCKWASHER, 1/2"
	916009	4	WASHER, plain, 1/2"
10	4386957	1	TUBE, pump to bonnet (used prior to engine serial no. 19-01745)
	4388501	1	TUBE, pump to bonnet (used on engine serial nos. 19-01746 thru 19-01868)
	4387400	1	TUBE, pump to bonnet (effective engine serial no. 19-01869)
11	4378070	1	BONNET, heat exchanger (used prior to engine serial no. 19-01650)
	4388463	1	BONNET, heat exchanger } Effective engine serial
	4255363	1	COCK, vent (not illustrated) } no. 19-01650 and up
	919231	4	CAPSCREW, 1/2" NC x 1-7/8"
	904208	4	LOCKWASHER, 1/2"
	914847	2	CAPSCREW, 3/8" NC x 1-1/2"
	911115	2	WASHER, plain, SAE std., 3/8"
	904206	2	LOCKWASHER, 3/8"
	910324	2	NUT, 3/8" NC
	919840	1	PLUG, pipe, hex hd., 1/4" NPT
12	4388060	1	BRACKET, supporting, heat exchanger
	916311	2	CAPSCREW, 1/2" NC x 1-1/4"
	910244	2	WASHER, plain, SAE std., 1/2"
	904208	2	LOCKWASHER, 1/2"
13	4254806	2	☐ O-RING, bonnet tube

☐ Also see PACKAGED PARTS



WATER INLET MANIFOLD AND HEAT EXCHANGER (SECOND TYPE)

WATER INLET MANIFOLD AND HEAT EXCHANGER (SECOND TYPE)

USAGE: Used on 19000 Mark II engines effective serial no. 19-01940 and up

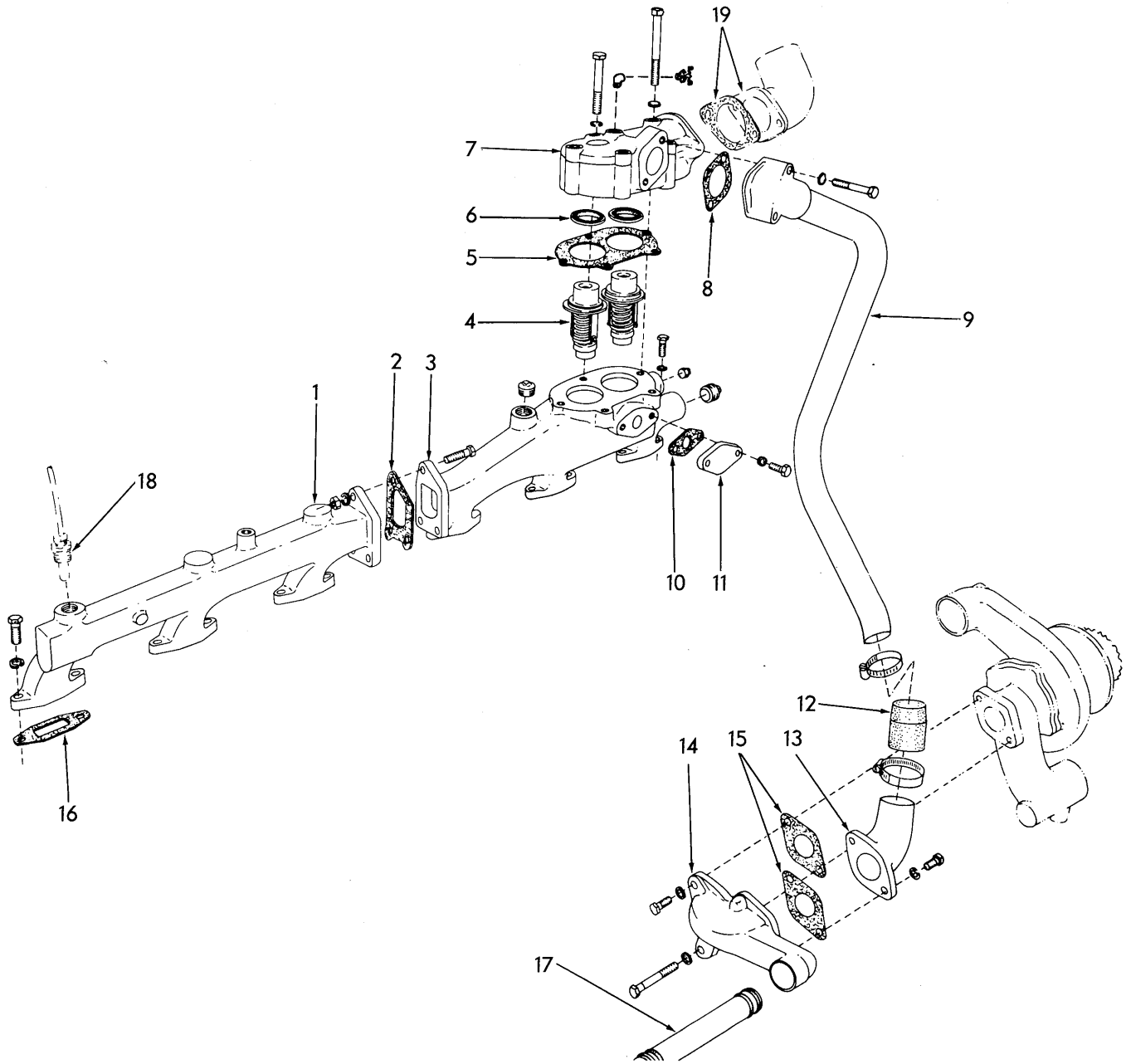
ITEM	PART NO.	QTY.	DESCRIPTION
1	4389289	1	MANIFOLD, water inlet
	919231	4	CAPSCREW, 1/2" NC x 1-7/8"
	916317	3	CAPSCREW, 1/2" NC x 2-3/4"
	915969	1	CAPSCREW, 1/2" NC x 3"
	904208	8	LOCKWASHER, 1/2"
2	923576	12	☐ O-RING, water inlet manifold
3	4389291	1	☐ GASKET, water and oil manifold
4	4390585	1	MANIFOLD, water and oil
	916311	5	CAPSCREW, 1/2" NC x 1-1/4"
	915987	2	CAPSCREW, 1/2" NC x 1-1/2"
	916320	1	CAPSCREW, 1/2" NC x 4"
	904208	8	LOCKWASHER, 1/2"
	912333	8	WASHER, plain
5	4386495	1	☐ GASKET, manifold to block
6	4662263	1	HOSE, heat exchanger to water pump
	4253464	2	CLAMP, hose
7	4388185	1	TUBE, pump to bonnet
8	4254806	2	☐ O-RING, bonnet tube
9	4371160	1	☐ GASKET, heat exchanger adapter
10	4387418	1	ADAPTER, heat exchanger
	919294	2	CAPSCREW, 1/2" NC x 4-1/4" } To Exchanger
	915987	6	CAPSCREW, 1/2" NC x 1-1/2" } To Exchanger
	916322	4	CAPSCREW, 1/2" NC x 5" (To Manifold)
	904208	12	LOCKWASHER, 1/2"
	916009	4	WASHER, plain
11	4389678	1	☐ GASKET, heat exchanger adapter
12	4388465	1	BONNET, heat exchanger
	919840	1	PLUG, pipe, hex-hd., 1/4" NPT
	915987	4	CAPSCREW, 1/2" NC x 1-1/2" } To Heat Exchanger
	915969	4	CAPSCREW, 1/2" NC x 3" } To Heat Exchanger
	904208	8	LOCKWASHER, 1/2" } To Heat Exchanger
	916272	2	CAPSCREW, 3/8" NC x 1-1/4" } To Supporting Bracket
	911115	2	WASHER, plain, SAE std., 3/8" } To Supporting Bracket
	904206	2	LOCKWASHER, 3/8" } To Supporting Bracket
	910324	2	NUT, 3/8" NF } To Supporting Bracket
13	4389676	1	☐ GASKET, heat exchanger bonnet
14	4390888	1	BRACKET, supporting, heat exchanger
	916311	2	CAPSCREW, 1/2" NC x 1-1/4"
	910244	2	WASHER, plain, SAE std., 1/2"
	904208	2	LOCKWASHER, 1/2"

(Continued)

WATER INLET MANIFOLD AND HEAT EXCHANGER (SECOND TYPE) (Cont.)

ITEM	PART NO.	QTY.	DESCRIPTION
15	4390801	1	EXCHANGER, heat, transmission oil
16	4390588	1	EXCHANGER, heat, engine oil
17	4255781	2	O-RING, heat exchanger elbows
18	4390591	1	ELBOW, heat exchanger discharge
	916191	4	CAPSCREW, 7/16" NC x 1-1/2"
	904207	4	LOCKWASHER, 7/16"
19	4390595	1	TUBE, heat exchanger discharge
20	923649	8	O-RING, heat exchanger tubes
21	4390592	1	ELBOW, oil manifold, upper
	919225	1	CAPSCREW, 3/8" NC x 1-3/8"
	912069	1	CAPSCREW, 3/8" NC x 2-1/2"
	904206	2	LOCKWASHER, 3/8"
22	4255631	2	O-RING, oil manifold elbows
23	4390589	1	ELBOW, oil manifold, lower
	919225	1	CAPSCREW, 3/8" NC x 1-3/8"
	912069	1	CAPSCREW, 3/8" NC x 2-1/2"
	904206	2	LOCKWASHER, 3/8"
24	4390594	1	TUBE, heat exchanger intake
25	4390590	1	ELBOW, heat exchanger intake
	916191	4	CAPSCREW, 7/16" NC x 1-1/2"
	904207	4	LOCKWASHER, 7/16"
26	4390582	1	TUBE ASSY., air bleed (includes NUTS and SLEEVES indented below)
	917809	1	NUT, imperial, 1/4" tube
	917806	1	SLEEVE, imperial, 1/4" tube
	919481	2	ELBOW, imperial, 1/4" tube, 1/4" NPT male
	901839	1	BUSHING, pipe reducing, 1/2" NPT to 1/4" NPT

☐ Also see PACKAGED PARTS

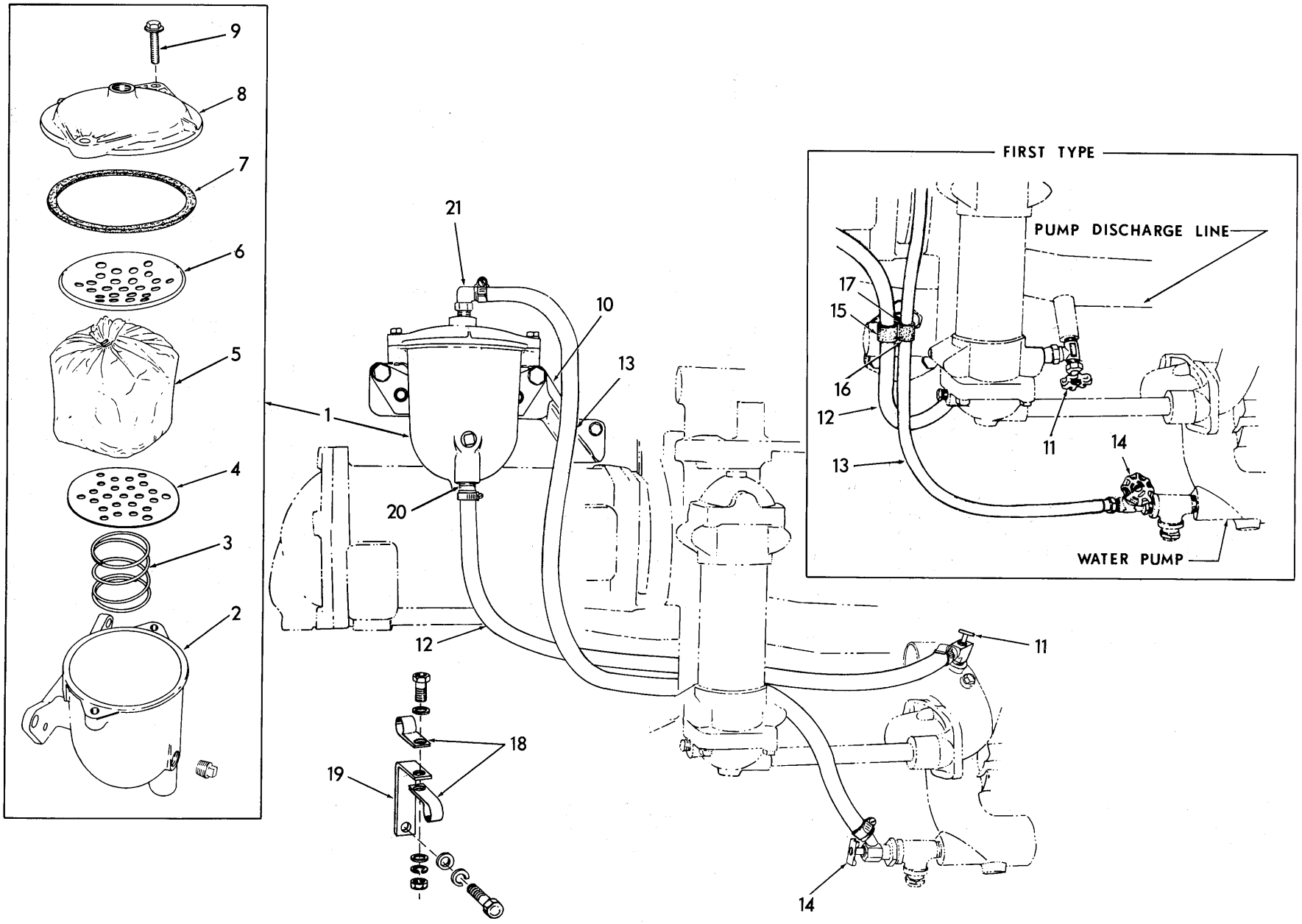


WATER OUTLET MANIFOLD

WATER OUTLET MANIFOLD

ITEM	PART NO.	QTY.	DESCRIPTION
1	4386827	1	MANIFOLD, rear
	919224	6	CAPSCREW, 3/8" NC x 1-1/8"
	919226	3	CAPSCREW, 3/8" NC x 1-5/8"
	904206	9	LOCKWASHER, 3/8"
	910324	3	NUT, 3/8" NC
2	4376527	1	☐ GASKET, manifold connecting
3	4388563	1	MANIFOLD, front (used prior to engine serial no. 19-01754)
	4389718	1	MANIFOLD, front (effective engine serial no. 19-01754 and up)
	901652	1	PLUG, pipe, 1/4" NPT
	920416	1	PLUG, pipe, 1/2" NPT
	912726	1	PLUG, pipe, 3/4" NPT
	919224	6	CAPSCREW, 3/8" NC x 1-1/8"
	904206	6	LOCKWASHER, 3/8"
4	4314562	2	THERMOSTAT (used prior to engine serial no. 19-01431)
	4354537	2	THERMOSTAT (effective engine serial no. 19-01431 and up)
5	4376520	1	☐ GASKET, thermostat cover
6	4317554	2	SEAL, thermostat
7	4385938	1	COVER ASSY., thermostat (includes inserts and item 6) (used prior to engine serial no. 19-01468)
	4389036	1	COVER ASSY., thermostat (includes item 6) (effective engine serial no. 19-01468)
	914588	1	ELBOW, street, brass, 90°, 1/4" NPT
	912415	1	COCK, T-handle, 1/4" NPT (for venting air)
	918395	4	CAPSCREW, 7/16" NC x 3-1/4"
	918740	1	CAPSCREW, 7/16" NC x 4"
	904207	5	LOCKWASHER, 7/16"
8	4386137	1	GASKET, water by-pass tube
9	4386835	1	TUBE, water by-pass
	916274	2	CAPSCREW, 3/8" NC x 2-1/4"
	904206	2	LOCKWASHER, 3/8"
10	4362458	1	☐ GASKET, manifold cover — Used prior to engine serial no. 19-01754
11	4313015	1	COVER, rear manifold — Used prior to engine serial no. 19-01754
	915408	2	CAPSCREW, 3/8" NC x 3/4" — Used prior to engine serial no. 19-01754
	904206	2	LOCKWASHER, 3/8" — Used prior to engine serial no. 19-01754
12	4387227	1	HOSE, water by-pass tube (rubber)
	4255011	2	CLAMP, hose
13	4386881	1	ELBOW, water by-pass line
	916271	2	CAPSCREW, 3/8" NC x 1"
	904206	2	LOCKWASHER, 3/8"
14	4386779	1	FLANGE, water pump (used prior to engine serial no. 19-01869)
	4386903	1	FLANGE, water pump (effective engine serial no. 19-01869)
	916272	1	CAPSCREW, 3/8" NC x 1-1/4"
	920275	1	CAPSCREW, 3/8" NC x 3"
	904206	2	LOCKWASHER, 3/8"
15	4378112	2	☐ GASKET, water pump flange
16	4376483	6	☐ GASKET, manifold to head
17	-------	-	TUBE, water (See OIL COOLER)
18	-------	-	GAUGE, temperature (See INSTRUMENT PANEL)
19	-------	-	ELBOW & GASKET (See RADIATOR CONNECTIONS)

☐ Also see PACKAGED PARTS



COOLANT FILTER (FIRST TYPE)

COOLANT FILTER (FIRST TYPE)

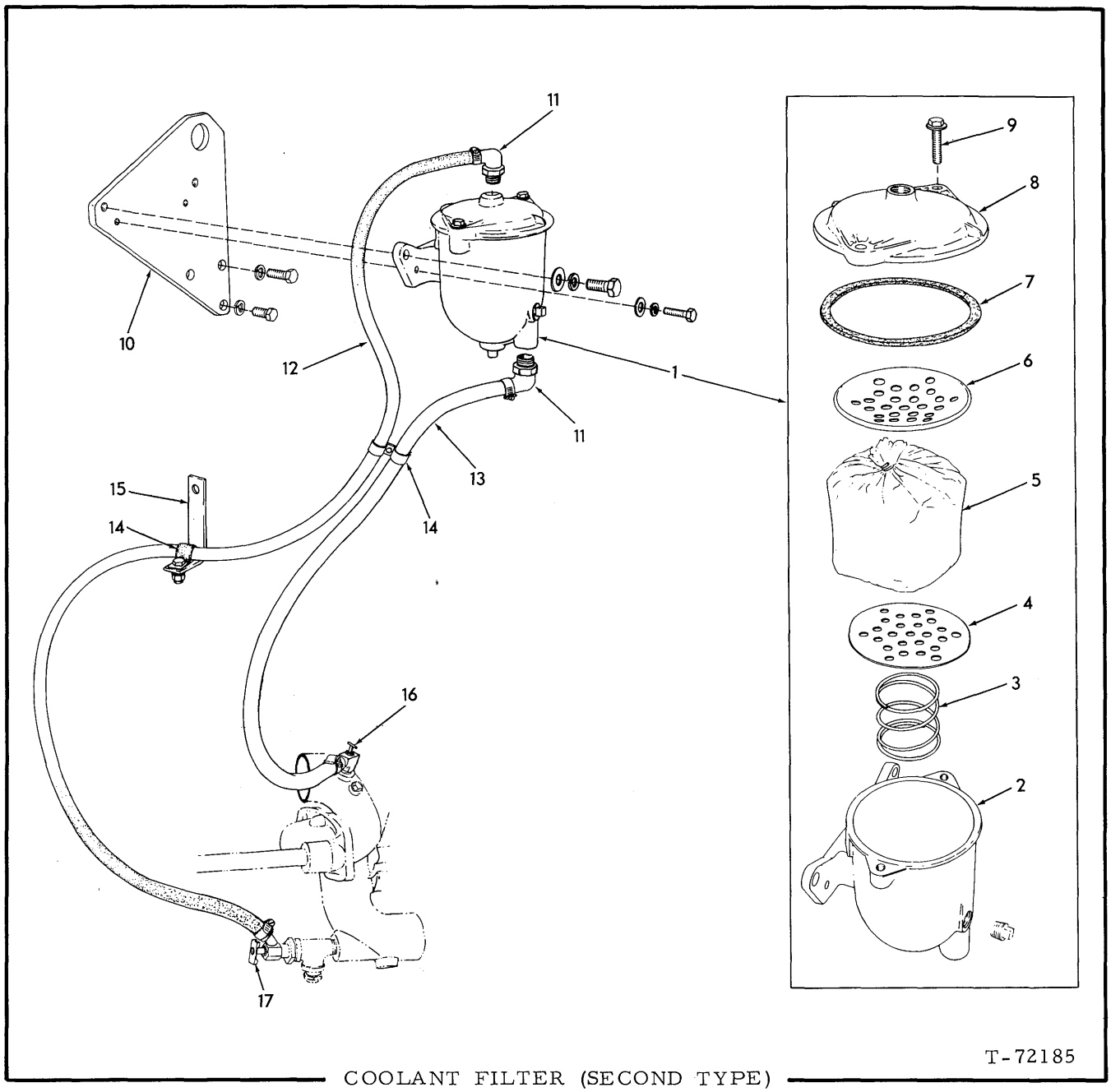
* - Used prior to engine serial no. 19-01746
** - Used on engine serial no. 19-01746 thru 19-01869

ITEM	PART NO.	QUANTITY *	QUANTITY **	DESCRIPTION
1	4387474	1	1	FILTER ASSY., water (with permanent anti-freeze element) (includes items 2 thru 9)
	918683	2	2	CAPSCREW, 1/2" NC x 1"
	900818	2	2	WASHER, plain, U.S. std., 1/2"
	904208	2	2	LOCKWASHER, 1/2"
	914392	2	2	CAPSCREW, 5/16" NC x 1"
	901165	2	2	WASHER, plain, U.S. std., 5/16"
	904205	2	2	LOCKWASHER, 5/16"
2	4055031	1	1	BODY, filter
	901653	1	1	PLUG, pipe, 3/8" NPT
3	4054569	1	1	SPRING, filter element
4	4054568	1	1	PLATE, filter element, lower
5	4058831	1	1	ELEMENT KIT, filter (includes item 7) (NOTE: Original equipment, permanent anti-freeze type, for use with all types of ethylene glycol antifreezes - not recommended for use with water only)
5	4058830	1	1	ELEMENT KIT, filter (includes item 7) (NOTE: Chromate type, for use with plain water, all nonpermanent antifreezes and compatible permanent antifreezes)
6	4055034	1	1	PLATE, filter element, upper
7	4054566	1	1	GASKET, filter cover
8	4055032	1	1	COVER, filter
9	4055033	2	2	BOLT ASSY., filter cover (includes washer)
10	4386198	1	1	BRACKET, filter mounting
	919224	3	3	CAPSCREW, 3/8" NC x 1-1/8"
	904206	3	3	LOCKWASHER, 3/8"
11	4255171	1	-	VALVE, water shut-off (1/2" tube, 3/8" NPT male)
11	4255772	-	1	VALVE, water shut-off (90°, 5/8" nipple, 3/8" NPT)
	4142263	-	1	BUSHING, pipe, 1" NPT x 3/8" NPT
12	-------	1	-	HOSE, water line to filter, 1/2" I.D. x 26-1/2" (order item 22)
	920807	2	-	FITTING, swivel, socketless, 1/2" hose, 3/4" str. thd.
12	-------	-	1	HOSE, water pump to filter, 5/8" I.D. x 34" (order item 24)
	921911	-	2	CLAMP, hose, 11/16" to 1-1/4" diam.
13	-------	1	-	HOSE, filter to water pump, 3/8" I.D. x 39-1/2" (order item 23)
	920806	2	-	FITTING, swivel, socketless, 3/8" hose, 9/16" str. thd.
13	-------	-	1	HOSE, filter to water pump, 5/8" I.D. x 42-1/2" (order item 24)
	921911	-	2	CLAMP, hose, 11/16" to 1-1/4" diam.

(Continued)

COOLANT FILTER (FIRST TYPE) (Cont.)

ITEM	PART NO.	QUANTITY *	QUANTITY **	DESCRIPTION
14	4255170	1	-	VALVE, water shut-off (3/8" tube, 3/8" NPT male)
	901835	1	-	BUSHING, pipe, 1/2" NPT x 3/8" NPT
	4255287	-	1	VALVE, water shut-off (45°, 5/8" nipple, 3/8" NPT)
	904271	-	1	BUSHING, pipe, 1/2" NPT x 3/8" NPT
15	4254580	1	-	CLAMP, 3/4" diam.
16	4255010	1	-	CLAMP, 9/16" diam.
	916268	1	-	CAPSCREW, 3/8" NC x 5/8"
	904206	1	-	LOCKWASHER, 3/8"
	910324	1	-	NUT, 3/8" NC
17	4387807	1	-	BRACKET, clamp supporting
18	4254951	-	2	CLAMP, 7/8" diam.
	916271	-	1	CAPSCREW, 3/8" NC x 1"
	911115	-	2	WASHER, plain, 3/8"
	904206	-	1	LOCKWASHER, 3/8"
	911026	-	1	NUT, 3/8" NC
19	4387971	-	1	BRACKET, hose clamp
	916320	-	1	CAPSCREW, 1/2" NC x 4"
	904208	-	1	LOCKWASHER, 1/2"
	912333	-	1	WASHER, plain, 1/2"
20	920690	1	-	ELBOW (45°, flare type, 1/2" tube, 3/8" NPT male)
	4255648	-	1	CONNECTOR (5/8" nipple, 3/8" NPT)
21	919136	1	-	ELBOW (90°, flare type, 3/8" tube, 3/8" NPT male)
	4255286	-	1	ELBOW (90°, 5/8" nipple, 3/8" NPT male)
22	920721	-	-	HOSE, low pressure, 1/2" I. D. x 25 ft. long (use as required)
23	920388	-	-	HOSE, low pressure, 3/8" I. D. x 25 ft. long (use as required)
24	920722	-	-	HOSE, low pressure, 5/8" I. D. x 25 ft. long (use as required)



COOLANT FILTER (SECOND TYPE)

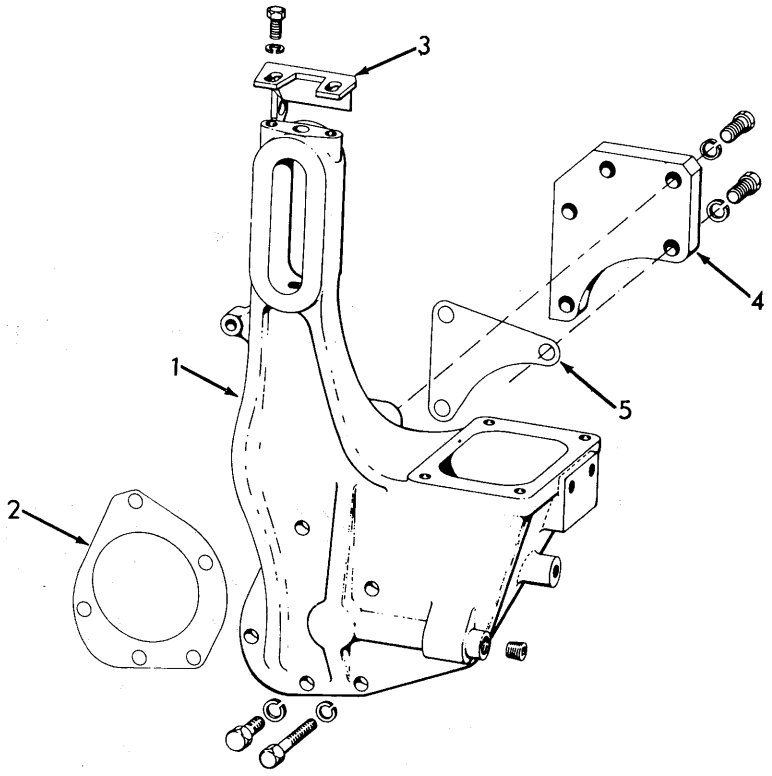
USAGE: Effective 19000 Mark II engine serial no. 19-01869 and up

ITEM	PART NO.	QTY.	DESCRIPTION
1	4387474	1	FILTER ASSY., water (with permanent anti-freeze element) (includes items 2 thru 9)
	916311	2	CAPSCREW, 1/2" NC x 1-1/4"
	900818	2	WASHER, plain, U.S. std., 1/2"
	904208	2	LOCKWASHER, 1/2"
	915807	2	CAPSCREW, 5/16" NC x 1-1/4"
	901165	2	WASHER, plain, U.S. std., 5/16"
	904205	2	LOCKWASHER, 5/16"

(Continued)

COOLANT FILTER (SECOND TYPE) (Cont.)

ITEM	PART NO.	QTY.	DESCRIPTION
2	4055031	1	BODY, filter
	901653	1	PLUG, pipe, 3/8" NPT
3	4054569	1	SPRING, filter element
4	4054568	1	PLATE, filter element, lower
5	4058831	1	ELEMENT KIT, filter (includes item 7) (NOTE: Original equipment, permanent anti-freeze type, for use with all types of ethylene glycol antifreezes - not recommended for use with water only)
5	4058830	1	ELEMENT KIT, filter (includes item 7) (NOTE: Chromate type, for use with plain water, all nonpermanent antifreezes and compatible permanent antifreezes)
6	4055034	1	PLATE, filter element, upper
7	4054566	1	GASKET, filter cover
8	4055032	1	COVER, filter
9	4055033	2	BOLT ASSY., filter cover (includes washer)
10	4387925	1	BRACKET, filter mounting/engine lifting eye
	916311	3	CAPSCREW, 1/2" NC x 1-1/4"
	904208	3	LOCKWASHER, 1/2"
11	4255286	2	ELBOW (90°, 5/8" nipple, 3/8" NPT male)
12	-------	1	HOSE, 5/8" I. D. x 50" (order item 18)
	921911	2	CLAMP, hose, 11/16" to 1-1/4" diam.
13	-------	1	HOSE, 5/8" I. D. x 25" (order item 18)
	921911	2	CLAMP, hose, 11/16" to 1-1/4" diam.
14	4254951	3	CLAMP
	916271	2	CAPSCREW, 3/8" NC x 1"
	911115	3	WASHER, plain, 3/8"
	904206	2	LOCKWASHER, 3/8"
	911026	2	NUT, 3/8" NC
15	4387971	1	BRACKET, hose clamp
16	4255772	1	VALVE, water shut-off
	4142263	1	BUSHING, reducer, 1" x 3/8"
17	4255287	1	VALVE, water shut-off
18	920722	-	HOSE, low pressure, 5/8" I. D. x 25 ft. long (use as required)



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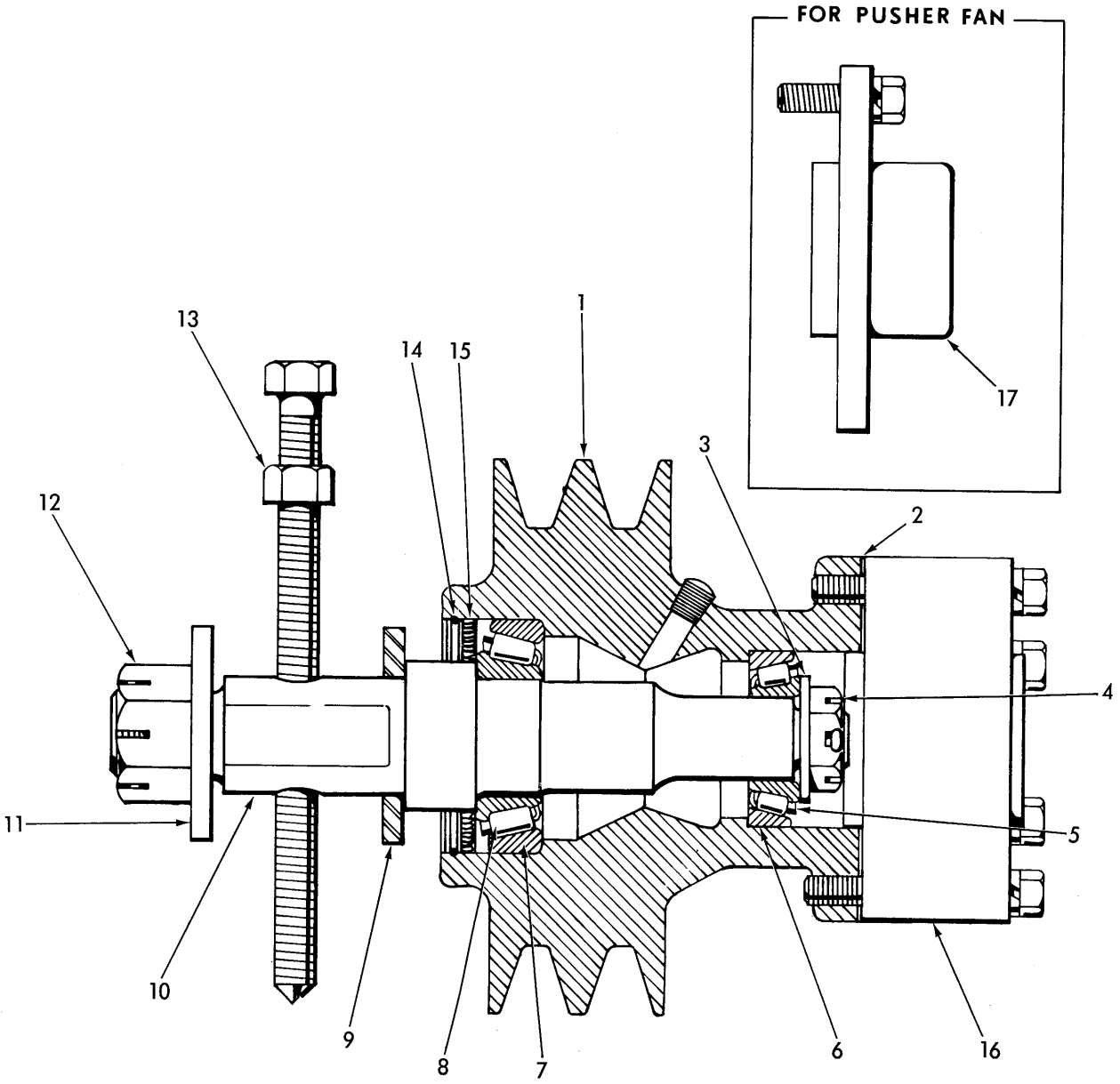
FAN BRACKET

ITEM	PART NO.	QTY.	DESCRIPTION
1	4378398	1	BRACKET ASSY., fan and compressor (includes PLUG)
	918887	1	PLUG, pipe, ctsk. sq. socket, 3/8" NPTF
	903776	3	CAPSCREW, 3/8" NC x 3-1/2"
	904206	3	LOCKWASHER, 3/8"
	916197	2	CAPSCREW, 7/16" NC x 1-1/4"
	904207	2	LOCKWASHER, 7/16"
2	4371742	1	☐ GASKET, fan bracket
3	4377450	1	BRACE, fan bracket
	915408	2	CAPSCREW, 3/8" NC x 3/4"
	904206	2	LOCKWASHER, 3/8"
4	4377451	1	SUPPORT, fan bracket
	916311	2	CAPSCREW, 1/2" NC x 1-1/4" (to bracket)
	903638	3	CAPSCREW, 1/2" NC x 1-1/4" (to housing)
	904208	5	LOCKWASHER, 1/2"
5	4660613	1	☐ GASKET, fan bracket support

☐ Also see PACKAGED PARTS

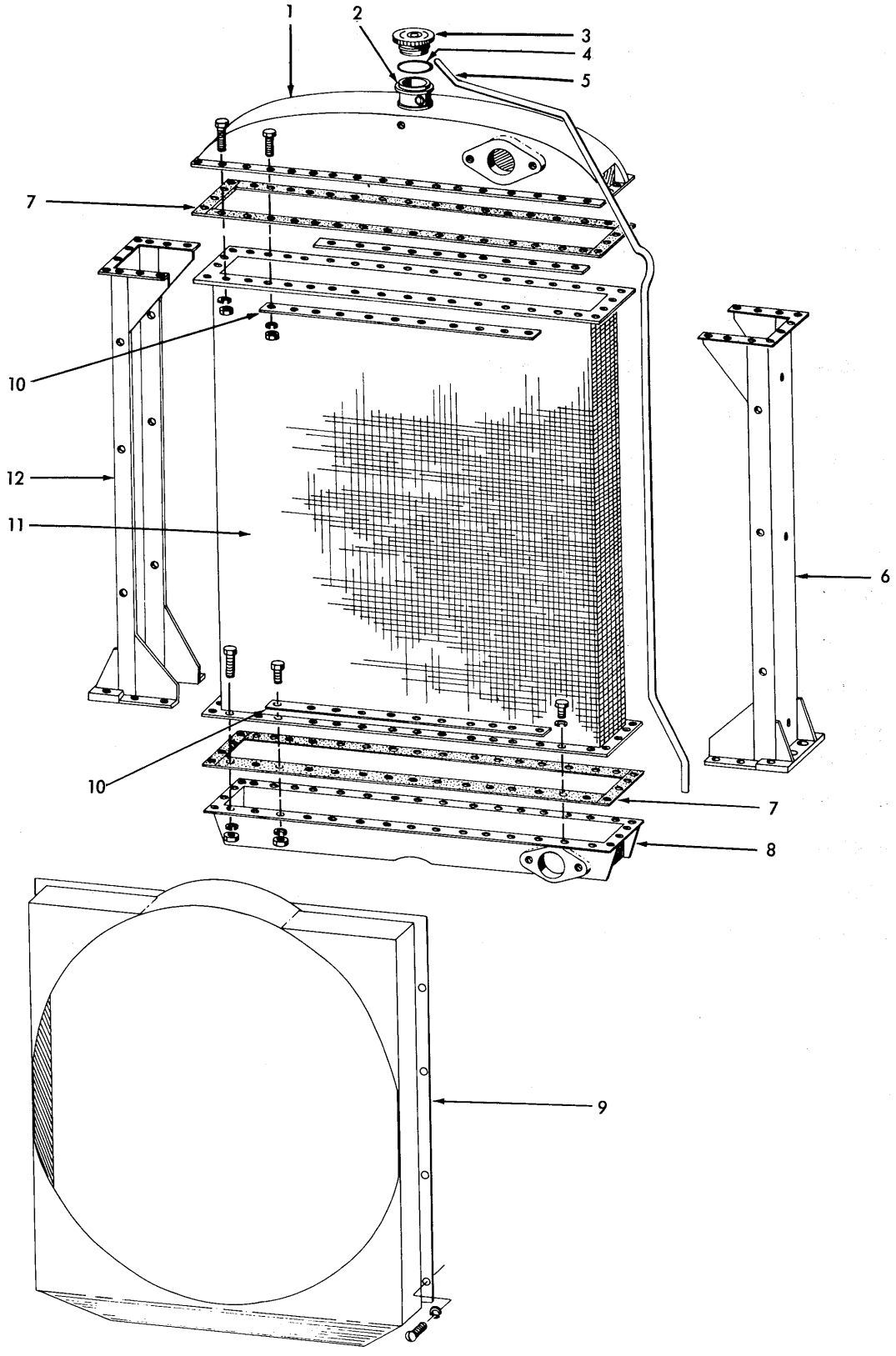


FAN HUB

FAN HUB

For FAN and BELTS, see Engine Assembly

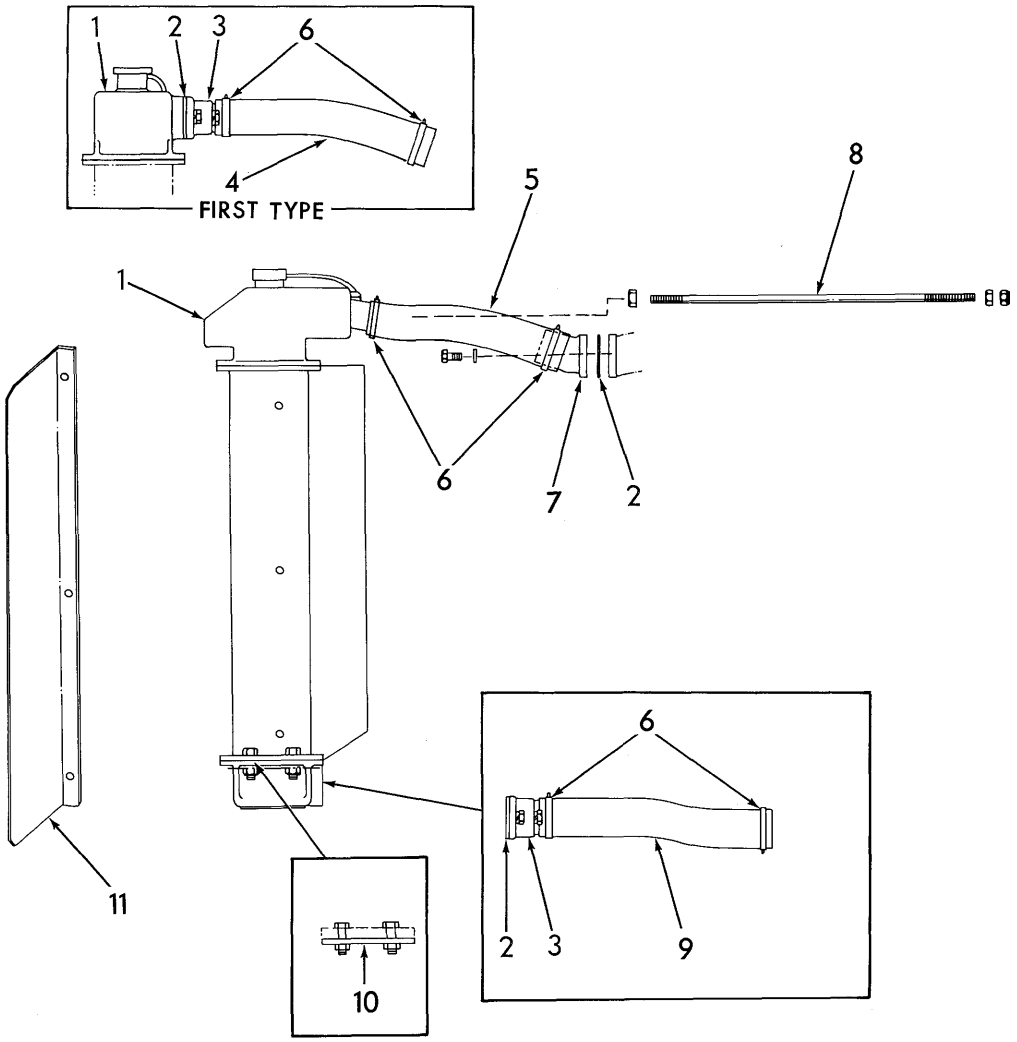
ITEM	PART NO.	QTY.	DESCRIPTION
-	4366867	1	HUB ASSEMBLY (Includes items 1 thru 15)
	4042893	1	PLUG, grease
1	4041917	1	HUB
2	4041906	1	GASKET
	4047350	1	PLATE, cover } Not illustrated -
	-------	6	CAPSCREW } (for shipping purposes only -
	------	6	LOCKWASHER } See ENGINE for Fan Capscrews
3	4041763	1	WASHER
4	4041919	1	NUT, slotted
	4042849	1	PIN, cotter
5	4250048	1	CONE, bearing
6	4250049	1	CUP, bearing
7	4250053	1	CUP, bearing
8	4250052	1	CONE, bearing
9	4041771	1	WASHER, clamp, front
10	4041918	1	SPINDLE
11	4041769	1	WASHER, clamp, rear
12	4041915	1	NUT, lock, Marsden
13	4041589	1	SCREW, adjusting
	910325	1	NUT, 1/2" NC
14	4041768	1	WIRE, lock
15	4041514	1	RETAINER, grease
16	190624	1	SPACER, fan (for use with suction-type fan only)
17	4372348	1	PILOT, fan (special equipment, for use only with pusher-type fan)



RADIATOR ASSEMBLY

RADIATOR ASSEMBLY

ITEM	PART NO.	QTY.	DESCRIPTION
-	187796	1	RADIATOR ASSY. (includes items 1 thru 12) (used prior to tractor serial no. 6624)
	196194	1	RADIATOR ASSY. (includes items 1 thru 12) (effective tractor serial no. 6624)
1	180149	1	TANK ASSY., top (includes item 2) (used prior to tractor serial no. 6624)
	195635	1	TANK ASSY., top (includes item 2) (effective tractor serial no. 6624)
	914670	30	CAPSCREW, 5/16" NC x 1-1/8"
	915807	8	CAPSCREW, 5/16" NC x 1-1/4"
	904205	38	LOCKWASHER, 5/16"
	910323	30	NUT, 5/16" NC
2	178616	1	NECK ASSY., filler
3	166362	1	CAP, radiator
4	923813	1	O-RING, 1-3/8" I.D.
5	------	1	TUBE, overflow, 5/16" O.D. (obtain locally)
6	188092	1	SIDE ASSY., radiator, R.H.
7	172281	5	GASKET
8	178216	1	TANK, bottom
	915809	2	CAPSCREW, 5/16" NC x 3/4"
	914670	30	CAPSCREW, 5/16" NC x 1-1/8"
	915807	6	CAPSCREW, 5/16" NC x 1-1/4"
	904205	38	LOCKWASHER, 5/16"
	910323	28	NUT, 5/16" NC
9	188094	1	SHROUD, fan
	------	8	SCREW, fan shroud mounting (obtain locally)
10	171107	4	WASHER, core
11	196051	1	CORE ASSY., radiator
12	188093	1	SIDE ASSY., radiator, L.H.



RADIATOR CONNECTIONS

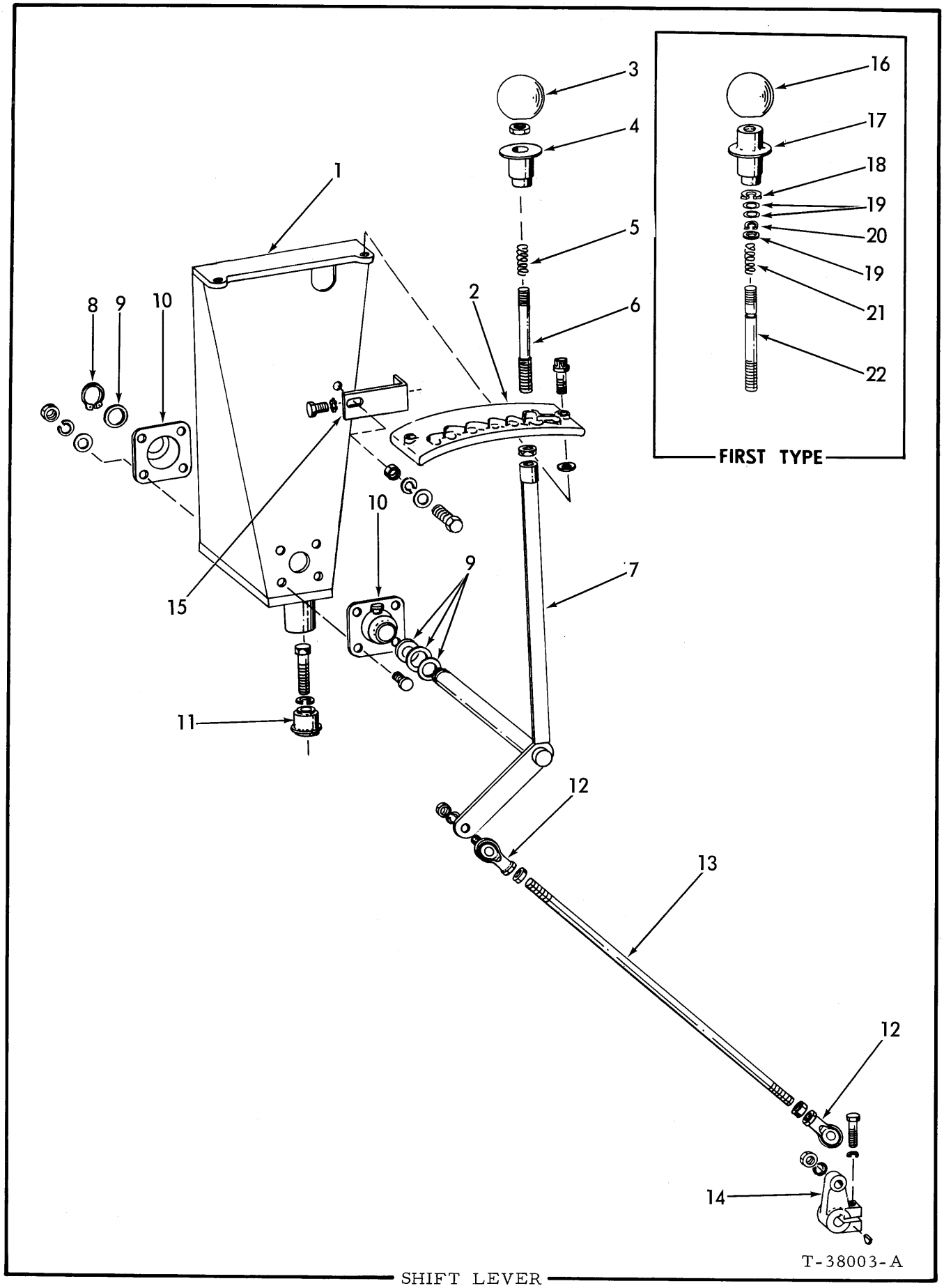
* - Used prior to tractor serial no. 6624
** - Effective tractor serial no. 6624 and up

ITEM	PART NO.	QUANTITY *	QUANTITY **	DESCRIPTION
1	------	1	1	RADIATOR ASSY. (See page 114)
	901653	2	2	PLUG, pipe, sq. hd., 3/8" (not illustrated)
2	166545	3	2	GASKET, connection
3	195797	2	1	CONNECTION, radiator
	916197	2	1	CAPSCREW, 7/16" NC x 1-1/4"
	916257	4	2	CAPSCREW, 7/16" NC x 2-1/2"
	904207	4	2	LOCKWASHER, 7/16"
4	178061	1	-	HOSE

(Continued)

RADIATOR CONNECTIONS (Cont.)

ITEM	PART NO.	QUANTITY *	QUANTITY **	DESCRIPTION
5	195634	-	1	HOSE
6	164738	4	4	CLAMP, hose
7	164637	1	1	CONNECTION, outlet
	916197	2	2	CAPSCREW, 7/16" NC x 1"
	904207	2	2	LOCKWASHER, 7/16"
8	193925	1	-	ROD, tie
	196109	-	1	ROD, tie
	910510	3	3	NUT, jam, 1/2" NC
9	183646	1	1	HOSE, lower
10	187557	2	2	PAD, radiator mounting
	916406	4	4	CAPSCREW, 5/8" NF x 1-3/4"
	922246	4	4	NUT, lock, 5/8" NF
11	188090	2	2	BAFFLE
	908295	6	6	CAPSCREW, cd. pltd., 1/4" NC x 1/2"
	916964	6	6	LOCKWASHER, pltd., 1/4"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FIRST TYPE
T-38003-A

SHIFT LEVER

SHIFT LEVER

USAGE: Power Shift Tractor; Also see NEUTRAL POSITION SWITCH

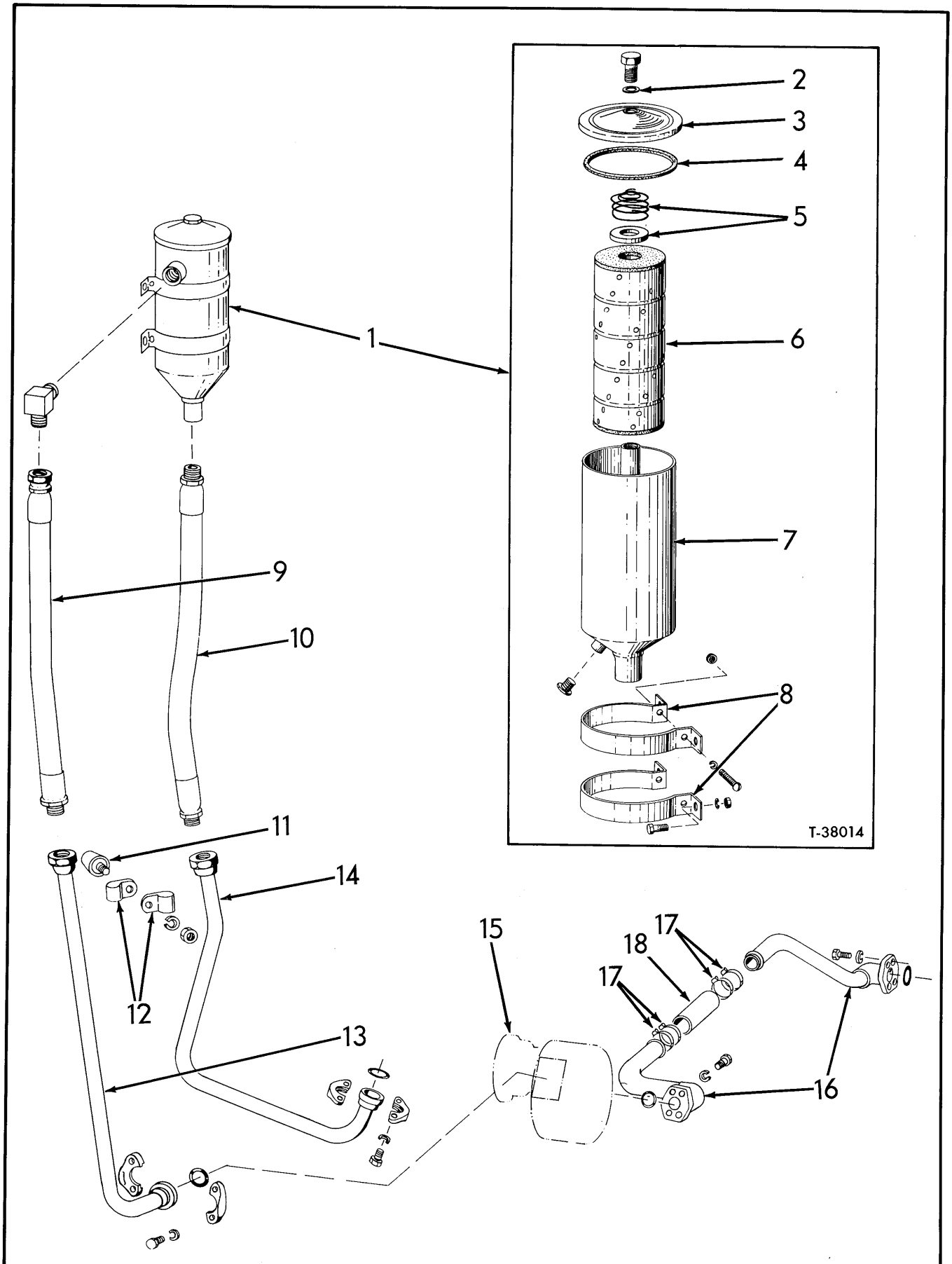
* - Used prior to Tractor serial no. 6745
** - Effective Tractor serial no. 6745 and up

ITEM	PART NO.	QUANTITY *	QUANTITY **	DESCRIPTION	
1	188099	1	-	TOWER ASSY., shift (welded) (used prior to tractor serial no. 6745)	
	195617	-	1	TOWER ASSY., shift (welded) (effective tractor serial no. 6745)	
2	194066	1	1	PLATE, shift	
	922064	2	2	SCREW, counterbore, 1/2" NC x 1"	
	910244	2	2	WASHER, plain, 17/32"	
3	148102	1	1	KNOB, lever	Effective tractor serial no. 6302 and up
	910239	1	1	NUT, jam, 3/8" NF	
4	194464	1	1	COLLAR ASSY. (welded)	
5	194463	1	1	SPRING	
6	194462	1	1	BAR	
	913177	1	1	NUT, jam, 1/2" NF	
7	188100	1	-	LEVER, shift (welded)	
	195618	-	1	LEVER, shift (welded)	
8	161052	1	1	RING, retaining	
9	910889	4	4	WASHER, plain (use as required)	
10	188118	2	2	BEARING, flange - mounting	
	916270	8	-	CAPSCREW, 3/8" NC x 1/2"	
	904206	8	-	LOCKWASHER, 3/8"	
	915408	-	4	CAPSCREW, 3/8" NC x 3/4"	
	904206	-	4	LOCKWASHER, 3/8"	
	922464	-	4	WASHER, 13/32" I. D. x 21/32" O. D.	
	910324	-	4	NUT, 3/8" NC	
11	188114	2	2	MOUNTING, flanged	
	914876	2	2	CAPSCREW, 5/8" NC x 2-1/2"	
	904209	2	2	LOCKWASHER, 5/8"	
12	196946	1	1	ROD END ASSY. (R.H. thd.)	
	196947	1	1	ROD END ASSY. (L.H. thd.)	
	913177	2	2	NUT, jam, 1/2" NF	
	904208	2	2	LOCKWASHER, 1/2"	
13	188460	1	1	ROD	
	913177	1	1	NUT, jam, 1/2" NF	
	922930	1	1	NUT, jam, 1/2" NF (L.H. thd.)	
14	188115	1	1	ARM, connecting	
	905123	1	1	KEY, woodruff, #9	
	916272	1	1	CAPSCREW, 3/8" NC x 1-1/4"	
	904206	1	1	LOCKWASHER, 3/8"	

(Continued)

SHIFT LEVER (Cont.)

ITEM	PART NO.	QUANTITY *	QUANTITY **	DESCRIPTION	
15	188085	1	1	BRACKET	
	921965	2	1	CAPSCREW, cd. pltd., 3/8" NC x 3/4"	
	918226	2	1	LOCKWASHER, dome, ext. tooth, 3/8"	
	921210	-	1	CAPSCREW, cd. pltd., 3/8" NC x 1"	
	900817	-	1	WASHER, plain, 3/8"	
	904206	-	1	LOCKWASHER, 3/8"	
	910324	-	1	NUT, 3/8" NC	
16	136379	1	-	KNOB, lever	Used prior to tractor serial no. 6302
17	187093	1	-	COLLAR	
18	188476	1	-	RING, retaining	
19	188109	3	-	WASHER	
20	187091	1	-	RING, retaining	
21	171592	1	-	SPRING	
22	186781	1	-	ROD	
	913177	1	-	NUT, jam, 1/2" NF	

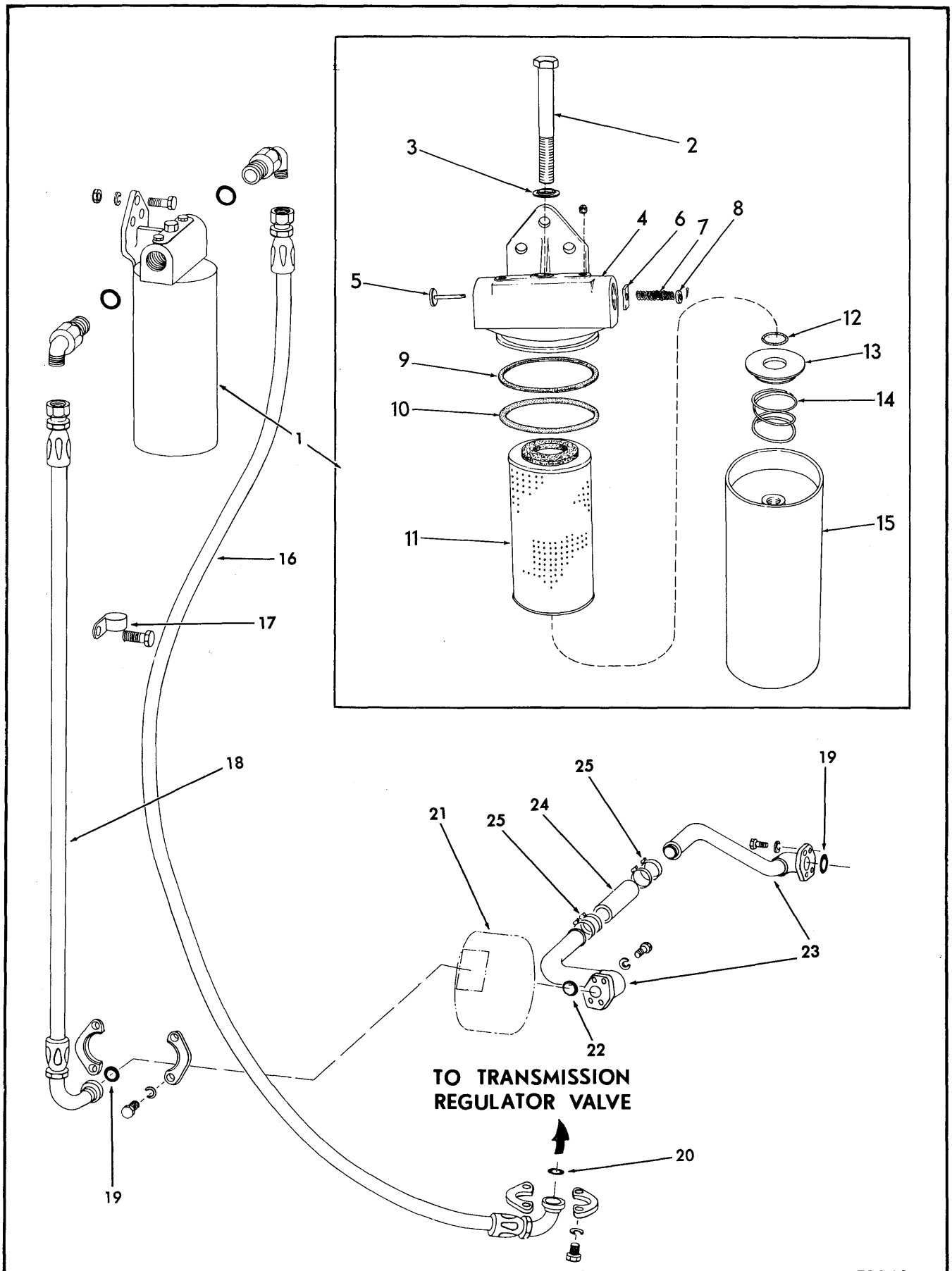


TRANSMISSION OIL FILTER (FIRST TYPE)

TRANSMISSION OIL FILTER (FIRST TYPE)

USAGE: Power Shift Transmission, Tractor Model 260E (used prior to tractor serial no. 7206)

ITEM	PART NO.	QTY.	DESCRIPTION
1	188049	1	FILTER ASSY. (includes items 2 thru 8)
	915809	4	CAPSCREW, 5/16" NC x 3/4"
	917356	4	LOCKWASHER, 5/16"
	917372	4	NUT, 5/16" NC
2	188053	1	SEAL, cover
	915501	1	CAPSCREW, 5/8" NF x 1"
3	188054	1	COVER
4	188058	1	GASKET, cover (FIRST TYPE)
	196727	1	GASKET, cover (SECOND TYPE)
5	188057	1	SEAL ASSY. (includes Spring) (order as a unit)
6	188056	1	ELEMENT KIT (includes item 4) (FIRST TYPE)
	196726	1	ELEMENT KIT (includes item 4) (SECOND TYPE)
7	------	1	BODY ASSY., filter (includes relief valve) (Body Assy. not serviced - order item 1)
	919840	1	PLUG, pipe, 1/4"
8	188055	2	BRACKET, strap
	903765	2	SCREW, rd. hd., 5/16" NC x 2-1/2"
	904205	2	LOCKWASHER, 5/16"
	915234	2	NUT, sq., 5/16" NC
9	190246	1	HOSE (See HOSE PARTS)
	919216	1	ELBOW, male, 3/4" PT
10	194230	1	HOSE (See HOSE PARTS)
11	173287	1	BUMPER
	910335	1	WASHER, plain, SAE std., 5/16"
	910233	1	NUT, 5/16" NF
12	184623	2	CLAMP, pipe
13	195298	1	TUBE ASSY.
	923664	1	O-RING, 1-1/2" I. D. x 1-3/4" O. D.
	921117	2	FLANGE, split, #20
	916197	4	CAPSCREW, 7/16" NC x 1-1/4"
	904207	4	LOCKWASHER, 7/16"
14	188105	1	TUBE ASSY.
	923575	1	O-RING, 1" I. D. x 1-1/4" O. D.
	921115	2	FLANGE, split, #12
	914847	4	CAPSCREW, 3/8" NC x 1-1/2"
	904206	4	LOCKWASHER, 3/8"
15	------	1	PUMP ASSY., tandem (See page 234)
16	193669	1	TUBE ASSY. (consists of two Tube Segments and items 17 and 18)
	923578	1	O-RING, 1-7/8" I. D. x 2-1/8" O. D. } At Pump
	916311	4	CAPSCREW, 1/2" NC x 1-1/4" } At Pump
	904208	4	LOCKWASHER, 1/2" } At Pump
	923664	1	O-RING, 1-1/2" I. D. x 1-3/4" O. D. } At Transmission
	916197	4	CAPSCREW, 7/16" NC x 1-1/4" } At Transmission
	904207	4	LOCKWASHER, 7/16" } At Transmission
17	179926	4	CLAMP
18	191795	1	HOSE



TRANSMISSION OIL FILTER (SECOND TYPE)

TRANSMISSION OIL FILTER (SECOND TYPE)

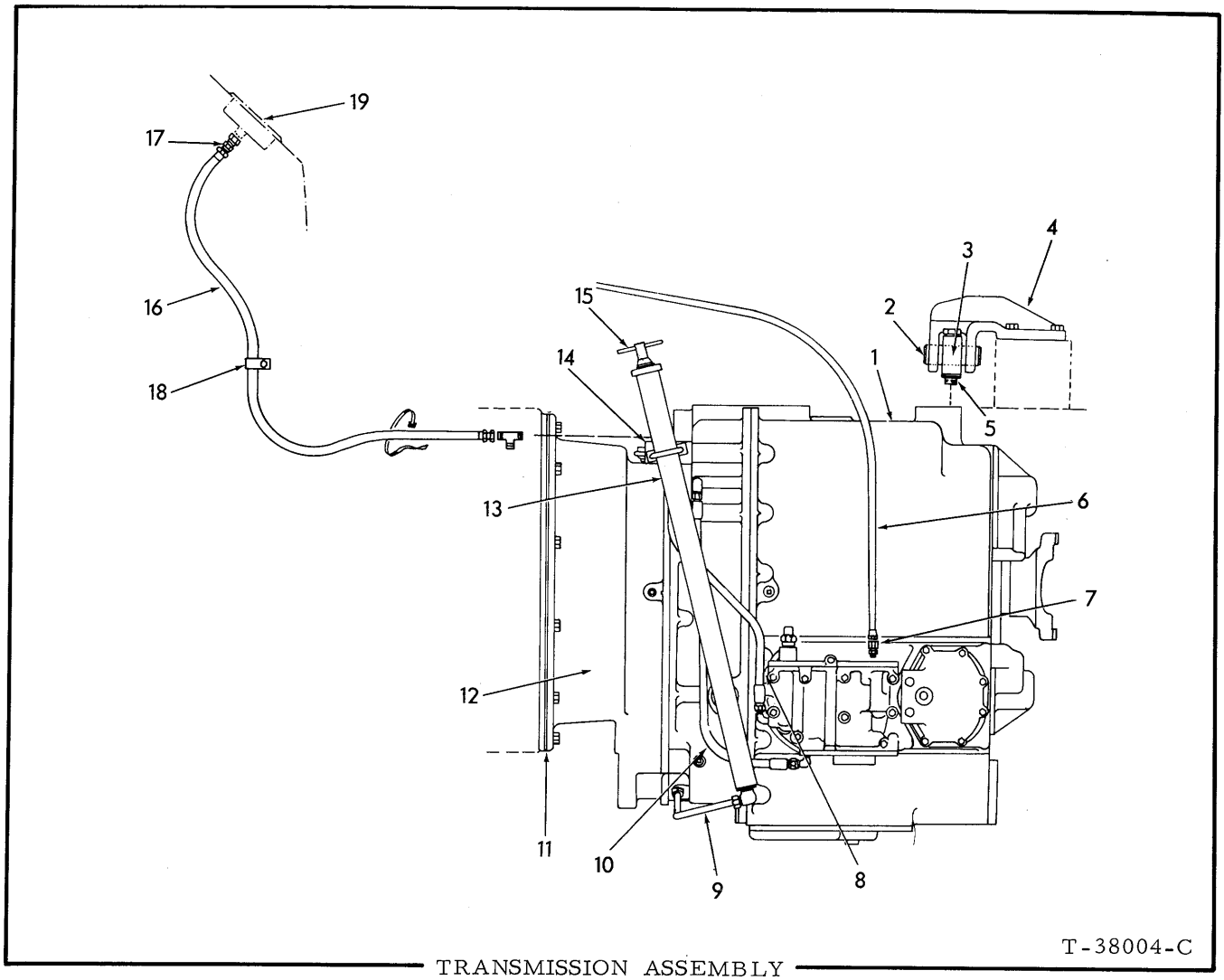
USAGE: Power Shift Transmission, effective tractor serial no. 7206 and up

ITEM	PART NO.	QTY.	DESCRIPTION
1	650397	1	FILTER ASSY. (includes items 2 thru 15)
	916311	3	CAPSCREW, 1/2" NC x 1-1/4"
	904208	3	LOCKWASHER, 1/2"
	910325	3	NUT, 1/2" NC
2	923438	1	CAPSCREW, 3/4" NF x 5-1/2" (tank retaining)
3	641029	1	WASHER, tank retaining capscrew
4	650427	1	HEAD ASSY., filter (includes items 5 thru 8 and PLUGS indented below)
	901652	2	PLUG, pipe, 1/4" NPT
5	650853	1	VALVE, by-pass
6	650431	1	SPANNER, by-pass valve spring
7	650430	1	SPRING, by-pass valve
8	632060	1	WASHER, by-pass valve spring
	900970	1	PIN, cotter, 1/16" x 1/2"
9	646532	1	RING, back-up
10	923836	1	O-RING, filter head
11	640780	1	ELEMENT KIT (includes items 3, 9 and 10)
12	923649	1	O-RING, element seating plate
13	641031	1	PLATE, element seating
14	641027	1	SPRING, element seating plate
15	650428	1	TANK, filter
16	196712	1	HOSE ASSY. (See HOSE PARTS)
	921227	1	ELBOW, adj., 1" tube, 1-5/16" str. thd. (includes O-RING)
	921214	1	O-RING, 1" tube (elbow)
	921115	2	FLANGE, split, #12 } At Transmission
	914847	4	CAPSCREW, 3/8" NC x 1-1/2" } Regulator
	904206	4	LOCKWASHER, 3/8" } Valve
17	196714	2	CLAMP, hose
	------	1	CAPSCREW, transmission mounting (See TRANSMISSION ASSEMBLY)
18	196711	1	HOSE ASSY. (See HOSE PARTS)
	921227	1	ELBOW, adj., 1" tube, 1-5/16" str. thd. (includes O-RING)
	921214	1	O-RING, 1" tube (elbow)
	921117	2	FLANGE, split, #20 }
	916197	4	CAPSCREW, 7/16" NC x 1-1/4" } At Pump
	904207	4	LOCKWASHER, 7/16" }

(Continued)

TRANSMISSION OIL FILTER (SECOND TYPE) (Cont.)

ITEM	PART NO.	QTY.	DESCRIPTION
19	923664	2	O-RING, 1-1/2" I. D.
20	923575	1	O-RING, 1" I. D.
21	------	1	PUMP ASSY., tandem (See page 234)
22	923578	1	O-RING
23	193669	1	TUBE ASSY. (consists of two tube segments and items 24 & 25)
	916311	4	CAPSCREW, 1/2" NC x 1-1/4" } at Pump
	904208	4	LOCKWASHER, 1/2" } at Pump
	916197	4	CAPSCREW, 7/16" NC x 1-1/4" } at Transmission
	904207	4	LOCKWASHER, 7/16" } at Transmission
24	191795	1	HOSE
25	179926	4	CLAMP, hose

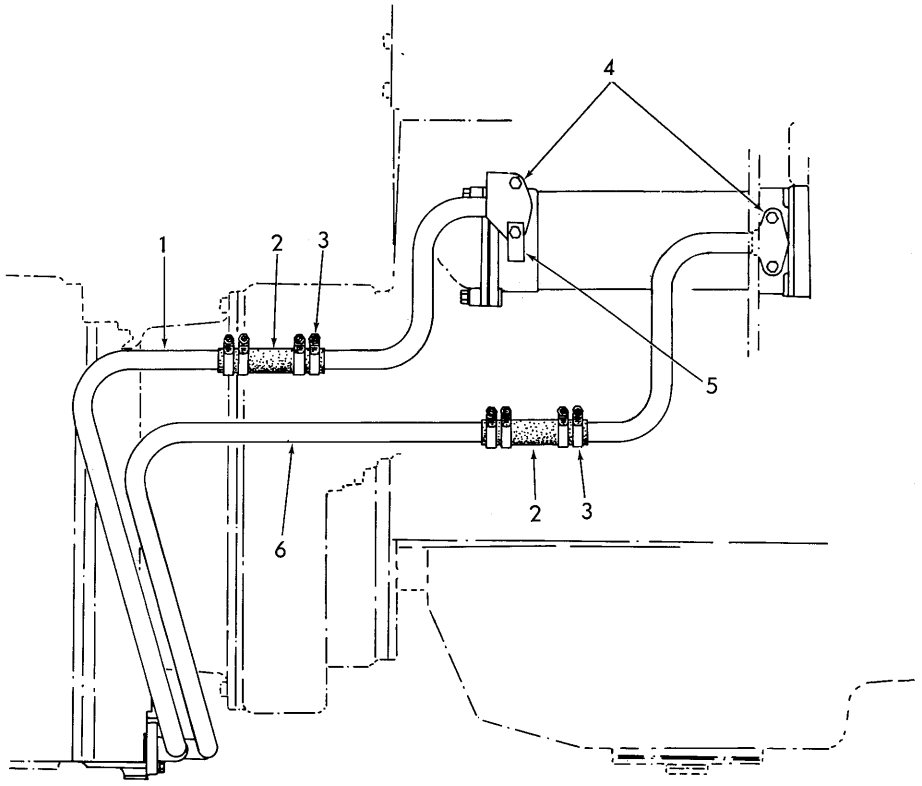


TRANSMISSION ASSEMBLY

ITEM	PART NO.	QTY.	DESCRIPTION
1	193667	1	TRANSMISSION ASSY. (Model TAC-51-1305, Specification No. N-98268) (includes items 7, 9, 11) (used prior to tractor serial no. 6397)
	195820	1	TRANSMISSION ASSY. (Model TAC-51-1305, Specification No. N-98265) (includes items 8, 10, 12) (effective tractor serial no. 6397)
	916197	12	CAPSCREW, 7/16" NC x 1-1/4"
	904207	12	LOCKWASHER, 7/16"
2	188086	1	PIN, support
	901343	2	PIN, cotter, 1/4" x 1-3/4"
3	188087	1	BAR, support
	188089	2	BUSHING, support pin (not illustrated)
	915832	2	CAPSCREW, 3/4" NC x 4"
	904369	2	LOCKWASHER, 3/4"

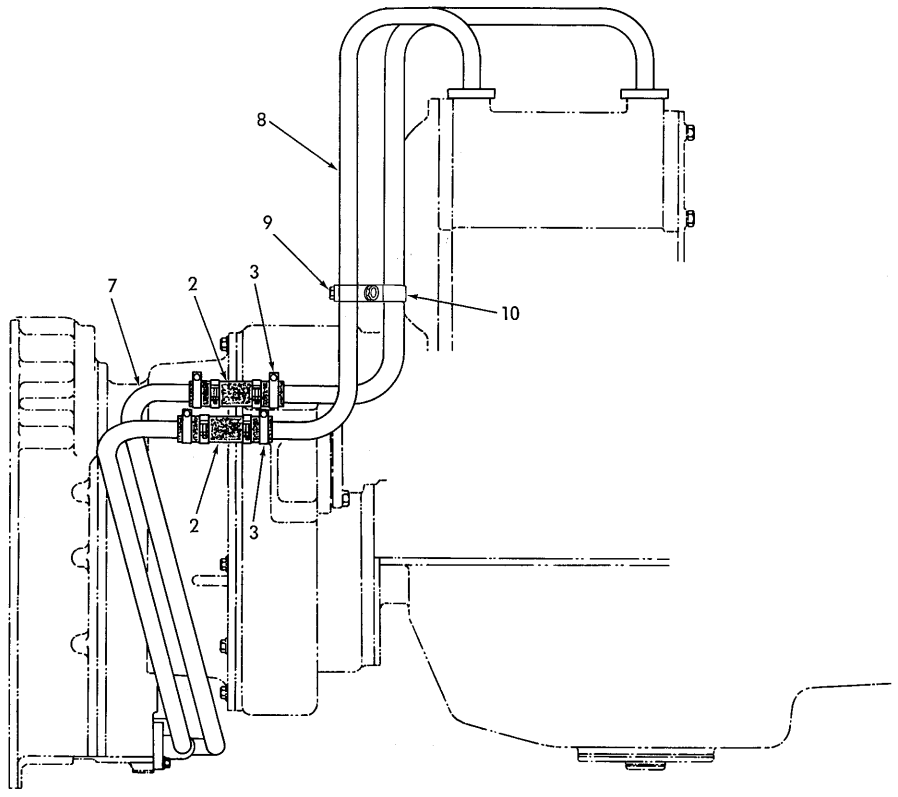
(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
4	187870	1	SUPPORT, transmission
	188089	2	BUSHING, support pin (not illustrated)
	915987	4	CAPSCREW, 1/2" NC x 1-1/2"
	904208	4	LOCKWASHER, 1/2"
5	188088	24	SHIM (.008 thick) (use as required)
	196366	3	SHIM (.188 thick) (use as required)
6	194493	1	HOSE ASSY., clutch pressure line
	------	1	UNION, adapter, female, str., 1/8" NPTF (not illustrated - see Clutch Pressure Gauge on Instrument Panel)
7	919214	1	CONNECTOR, male, flared, str., 1/4" tube
	921883	1	O-RING, 1/4" tube
8	186715	1	HOSE ASSY. (20")
	922571	1	ELBOW, male, flared, 1/4" tube, 7/16" str. thd. (includes O-RING)
	921883	1	O-RING, 1/4" tube
9	191892	1	TUBE ASSY. (includes flare Nut)
	922972	1	NUT, flare, 3/8" tube, 9/16" str. thd.
	922523	1	ELBOW, male, flared, 3/8" tube, 9/16" str. thd. (includes O-RING)
	921885	1	O-RING, 3/8" tube elbow
	917817	1	ELBOW, male, 3/8", 1/4" PT (includes SLEEVE and NUT)
	917807	1	SLEEVE, 3/8" tube (rubber)
	917810	1	NUT, 3/8" tube
10	188376	1	HOSE ASSY. (23")
	922571	2	ELBOW, male, flared, 1/4" tube, 7/16" str. thd. (includes O-RING)
	921883	2	O-RING, 1/4" tube
11	------	1	O-RING, transmission to flywheel housing (See TRANSMISSION HOUSING)
12	191339	1	CONVERTER ASSY. (complete)
13	188112	1	TUBE, filler (used prior to tractor serial no. 6397)
	195786	1	TUBE, filler (effective tractor serial no. 6397 and up)
	922411	1	CONNECTOR, reducing, flared, 1-5/16" (Tube end) x 1-5/8" (str. thd.) (includes O-RING)
14	178106	1	CLAMP
	188107	1	BRACKET, clamp
15	188119	1	DIPSTICK (includes Breather) (used prior to tractor serial no. 6397)
	195423	1	DIPSTICK (effective tractor serial no. 6397 and up)
16	189189	1	HOSE ASSY., speed indicator gauge (48")
	922418	1	TEE, male, flared, 1/4" tube, 7/16" str. thd. (includes O-RING)
	921883	1	O-RING, 1/4" tube
	196766	1	STRAP, lock
17	184936	1	UNION, adapter, female
18	169535	1	CLAMP, tube
	916019	1	CAPSCREW, 1/4" NC x 3/4"
	916964	1	LOCKWASHER, 1/4"
	916622	1	NUT, 1/4" NC
19	------	1	GAUGE, speed indicator (See INSTRUMENT PANEL)



T-72240

FIRST TYPE



SECOND TYPE

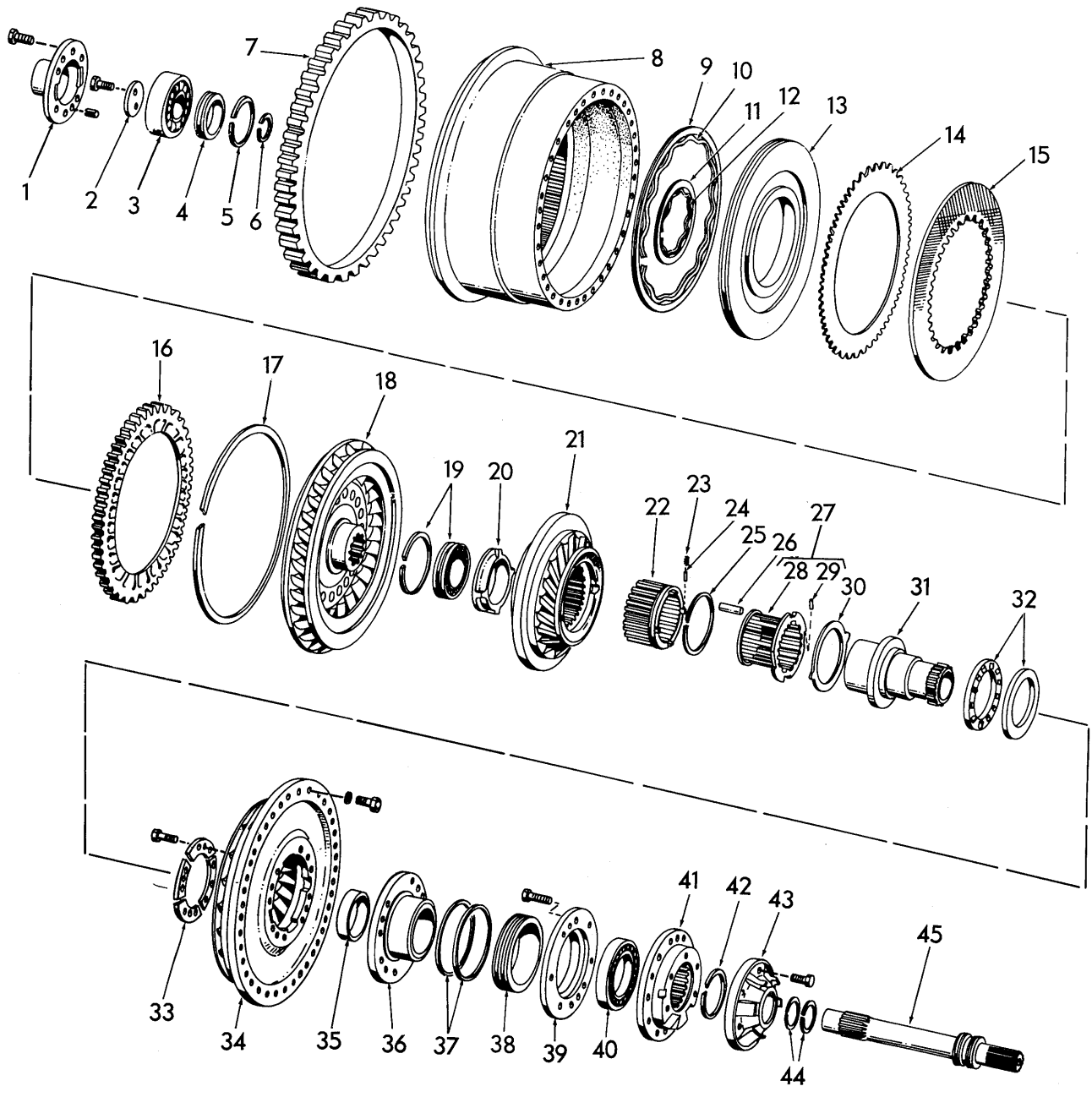
T-72180

HEAT EXCHANGER TUBES

HEAT EXCHANGER TUBES

* - For use with 19000 engines thru serial no. 19-01939
** - For use with 19000 Mark II engines effective serial no. 19-01940 and up

ITEM	PART NO.	QUANTITY *	QUANTITY **	DESCRIPTION
1	189469	1	-	TUBE ASSY. (includes two tube segments and items 2 and 3)
	919224	4	-	CAPSCREW, 3/8" NC x 1-1/8"
	916274	2	-	CAPSCREW, 3/8" NC x 2-1/4"
	904206	6	-	LOCKWASHER, 3/8"
	923718	1	-	O-RING, 1-5/16" I. D.
2	191796	2	2	HOSE
3	179926	8	8	CLAMP, hose
4	185085	2	-	GASKET, tube to heat exchanger
5	166351	1	-	CLAMP
6	189470	1	-	TUBE ASSY. (includes two tube segments and items 2 and 3)
	921116	2	-	FLANGE, split, #16
	919224	4	-	CAPSCREW, 3/8" NC x 1-1/8"
	916274	2	-	CAPSCREW, 3/8" NC x 1-1/4"
	904206	6	-	LOCKWASHER, 3/8"
	923718	1	-	O-RING, 1-5/16" I. D.
7	197435	-	1	TUBE ASSY. (includes two tube segments)
	921117	-	2	FLANGE, #20 — At Heat Exchanger
	923664	-	1	O-RING, 1-1/2" I. D. — At Heat Exchanger
	916197	-	4	CAPSCREW, 7/16" NC x 1-1/4" — At Heat Exchanger
	904207	-	4	LOCKWASHER, 7/16" — At Heat Exchanger
	921116	-	2	FLANGE, #16 — At Converter
	923718	-	1	O-RING, 1-5/16" I. D. — At Converter
	919224	-	4	CAPSCREW, 3/8" NC x 1-1/8" — At Converter
	904206	-	4	LOCKWASHER, 3/8" — At Converter
8	197434	-	1	TUBE ASSY. (includes two tube segments)
	919224	-	4	CAPSCREW, 3/8" NC x 1-1/8" — At Converter
	904206	-	4	LOCKWASHER, 3/8" — At Converter
	923718	-	1	O-RING, 1-5/16" I. D. — At Converter
	921117	-	2	FLANGE, #20 — At Heat Exchanger
	916197	-	4	CAPSCREW, 7/16" NC x 1-1/4" — At Heat Exchanger
	904207	-	4	LOCKWASHER, 7/16" — At Heat Exchanger
	923664	-	1	O-RING, 1-1/2" I. D. — At Heat Exchanger
9	198228	-	1	BAR, clamp support
	916271	-	1	CAPSCREW, 3/8" NC x 1"
	904206	-	1	LOCKWASHER, 3/8"
	910324	-	1	NUT, 3/8" NC
10	197058	-	2	CLAMP
	916271	-	1	CAPSCREW, 3/8" NC x 1"
	911115	-	1	WASHER, flat, 13/32" I. D.
	904206	-	1	LOCKWASHER, 3/8"
	910324	-	1	NUT, 3/8"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T-38063

TORQUE CONVERTER

USAGE: Power Shift Transmission

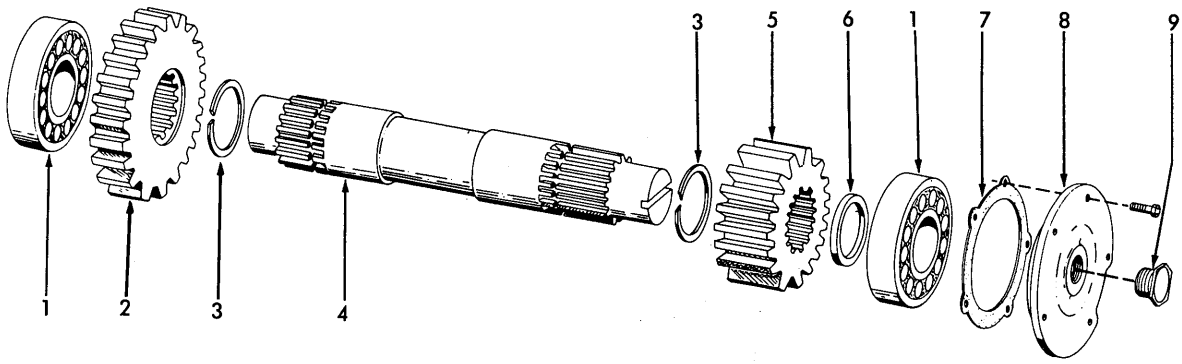
NOTE: For Flex Plate, see FLYWHEEL HOUSING

ITEM	PART NO.	QTY.	DESCRIPTION
1	188261	1	PILOT, flywheel (FIRST TYPE)
	195521	1	PILOT, flywheel (SECOND TYPE)
	916271	6	CAPSCREW, 3/8" NC x 1" (FIRST TYPE)
	3043928	6	CAPSCREW, 3/8" NC x 1" (SECOND TYPE)
	919347	1	PIN, roll, pilot
2	188275	1	WASHER, retainer
	916225	2	CAPSCREW, 3/8" NF x 1" (FIRST TYPE)
	192431	2	CAPSCREW (SECOND TYPE)
3	186563	1	BEARING, ball
4	186411	1	CARRIER, piston ring, turbine hub
5	186376	1	RING, oil seal
6	186531	1	RING, internal snap, turbine hub
7	4303694	1	GEAR, ring
8	188267	1	HOUSING ASSY., rotating (includes item 7)
9	186417	1	RING, multi-seal (used prior to converter serial no. 221208)
	196307	1	RING, multi-seal (effective converter serial no. 221208 and up)
10	196308	1	RING expander (effective converter serial no. 221208 and up)
11	186416	1	RING, multi-seal (used prior to converter serial no. 221208)
	196305	1	RING, multi-seal (effective converter serial no. 221208 and up)
12	196306	1	RING, expander (effective converter serial no. 221208 and up)
13	186526	1	PISTON, clutch
14	186415	1	PLATE, steel
15	186414	1	PLATE, faced
16	188259	1	PLATE, clutch backing
17	188680	1	RING, snap, internal, rotating housing
18	188252	1	WHEEL ASSY., turbine (includes items 6, Hub, Wheel and Rivets)
19	186518	1	BEARING, ball, turbine wheel (includes Retaining Ring)
20	186521	1	CARRIER, thrust
21	188253	1	WHEEL, guide (used prior to converter serial no. 225837)
	196332	1	WHEEL, guide (effective converter serial no. 225837)
22	187112	1	CAM ASSY., freewheel (includes item 24)

(Continued)

TORQUE CONVERTER (Cont.)

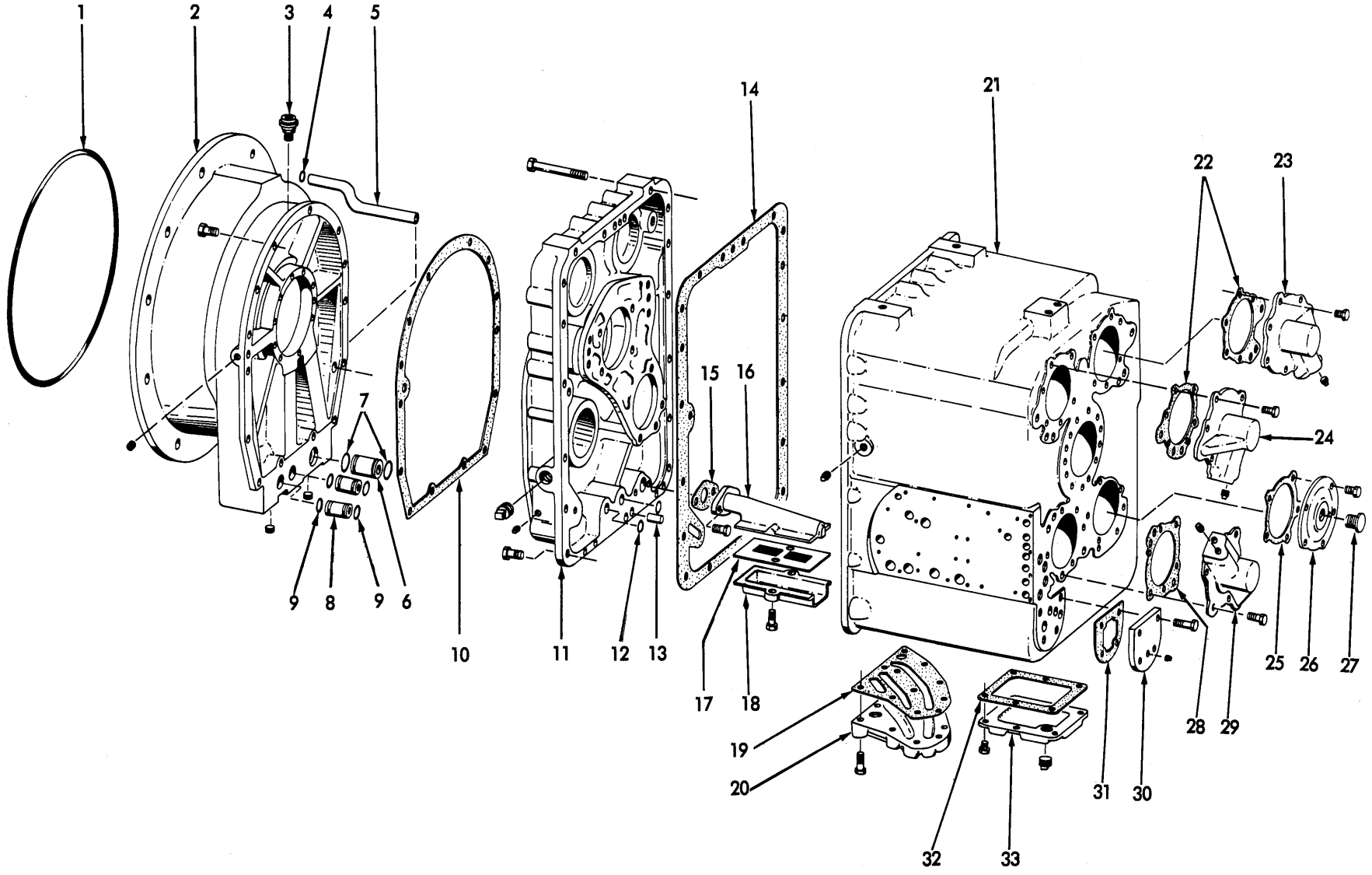
ITEM	PART NO.	QTY.	DESCRIPTION
23	186540	2	SPRING, freewheel
24	186529	2	PIN, roll, freewheel cam
25	186533	1	RING, external snap, guide wheel
26	186418	20	ROLLER, freewheel
27	195541	1	CAGE ASSY., freewheel (includes items 28 and 29)
28	186412	1	CAGE, freewheel
29	196302	2	PIN, roll, freewheel cage
30	187113	1	WASHER, thrust
31	191319	1	CARRIER, guide wheel
32	186517	1	BEARING, roller, thrust
33	188262	4	PLATE, clamp, impeller hub
	916225	12	CAPSCREW, 3/8" NF x 1"
34	188254	1	WHEEL, impeller
	3043928	36	CAPSCREW, 3/8" NC x 1"
	900817	36	WASHER, plain
35	186513	1	BUSHING, impeller hub
36	188258	1	HUB, impeller wheel
37	3037941	2	RING, oil seal
38	188256	1	CARRIER, piston ring, impeller hub
39	188264	1	RETAINER, bearing
	3043773	10	CAPSCREW, 3/8" NC x 1-1/2"
40	186516	1	BEARING, roller, impeller wheel
41	188265	1	SUPPORT, guide carrier
42	188150	1	RING, external snap, guide carrier
43	188257	1	HOUSING, fluid distrubution
	191927	5	CAPSCREW, self locking (3/8" NC x 1") (FIRST TYPE)
	3043928	5	CAPSCREW (3/8" NC x 1") (SECOND TYPE)
44	186425	2	RING, piston, output shaft
45	188274	1	SHAFT, output



REVERSE IDLER SHAFT

USAGE: Power Shift Transmission

ITEM	PART NO.	QTY.	DESCRIPTION	
1	188276	2	BEARING, roller	
2	188295	1	GEAR, driven, reverse (24 T.)	
3	3037966	2	RING, snap, external	
4	188299	1	SHAFT, reverse idler	
5	195512	1	GEAR, driven, reverse (22 T.)	
6	188300	1	SPACER, bearing	
7	------	1	GASKET, bearing retainer	See TRANSMISSION HOUSING
8	------	1	RETAINER, bearing	
9	------	1	PLUG	



TRANSMISSION HOUSING

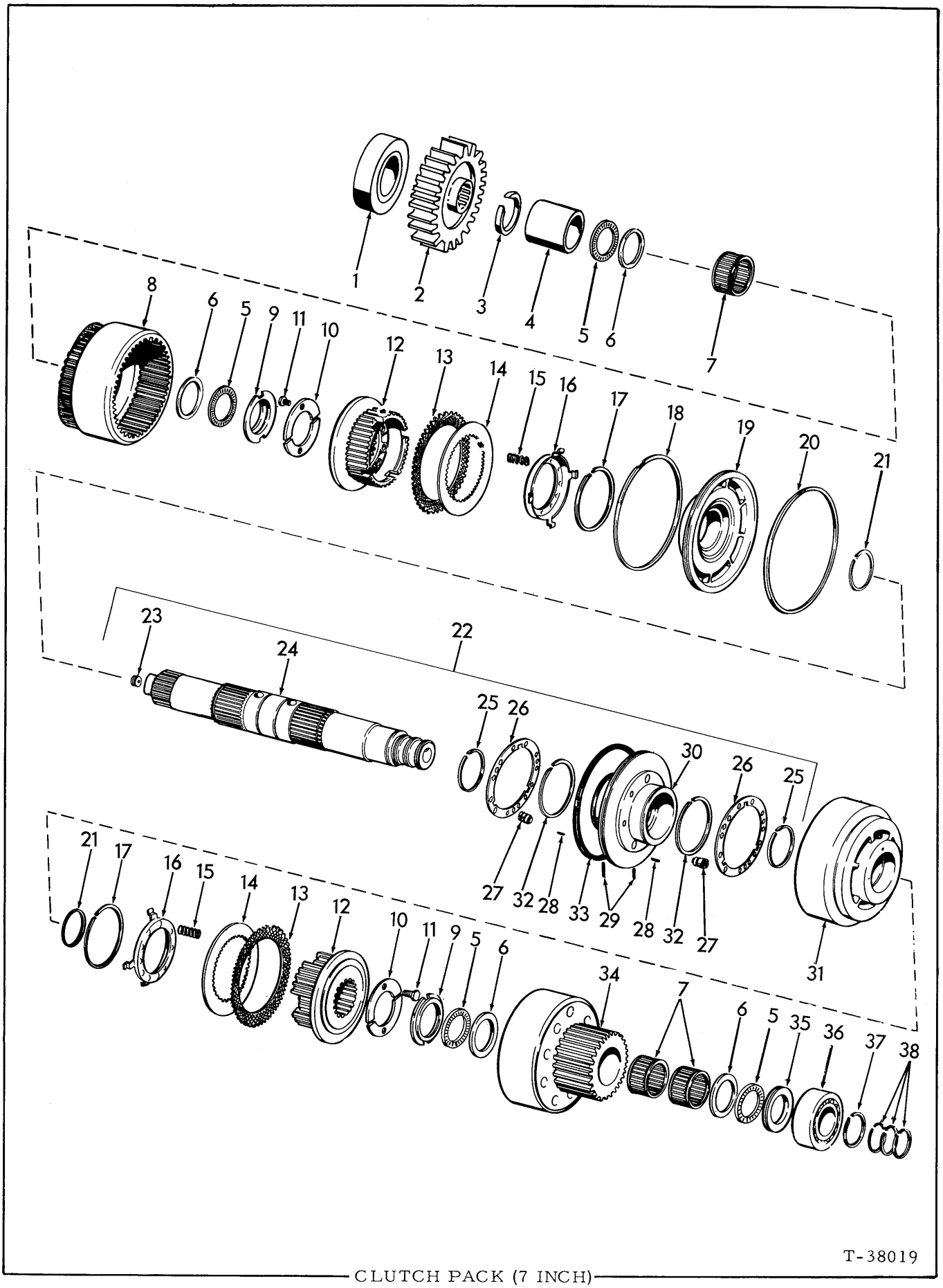
TRANSMISSION HOUSING

USAGE: Power Shift Transmission

ITEM	PART NO.	QTY.	DESCRIPTION
1	621186	1	O-RING, transmission-to-flywheel housing (not included in Transmission Assy.)
2	196310	1	HOUSING, converter
	923166	1	PLUG, 1/4" tube, 7/16" str. thd. (includes O-RING)
	921883	1	O-RING, 1/4" tube plug sealing
	921204	1	PLUG, 3/4" tube, 1-1/16" str. thd. (includes O-RING)
	921206	1	O-RING, 3/4" tube, plug sealing
	916311	12	CAPSCREW, 1/2" NC x 1-1/4"
	916317	2	CAPSCREW, 1/2" NC x 2-3/4"
3	186479	1	FILTER, breather
	916641	1	NIPPLE, pipe, 3/8" x 1-1/2"
	916625	1	COUPLING, pipe, 3/8"
4	188441	1	O-RING, drain tube
5	188273	1	TUBE, flywheel housing drain
6	188271	1	TUBE, jumper, pump suction
7	188270	2	O-RING, jumper tube
8	188272	2	TUBE, jumper
9	188160	4	O-RING, jumper tube
10	188351	1	GASKET, converter-to-input housing
11	191921	1	HOUSING ASSY., input (includes Bulkhead, serviced only as a unit) (used prior to tractor serial no. 6397)
	195535	1	HOUSING ASSY., input (includes Bulkhead, serviced only as a unit) (effective tractor serial no. 6397)
	923079	1	PLUG, 1-1/4" tube, 1-5/8" str. thd. (includes O-RING)
	921235	1	O-RING, 1-1/4" tube, plug sealing
	922577	1	PLUG, 3/8" tube, 9/16" str. thd. (includes O-RING)
	921885	1	O-RING, 3/8" tube, plug sealing
	923166	1	PLUG, 1/4" tube, 7/16" str. thd. (includes O-RING)
	921883	1	O-RING, 1/4" tube, plug sealing
	921204	1	PLUG, 3/4" tube, 1-1/16" str. thd. (includes O-RING)
	921206	1	O-RING, 3/4" tube, plug sealing
	916321	1	CAPSCREW, 1/2" NC x 4-1/2"
	193952	7	CAPSCREW, 1/2" NC x 4-1/2"
	916311	11	CAPSCREW, 1/2" NC x 1-1/4"
12	188310	2	O-RING
13	188309	2	PIN, dowel, housing
14	188352	1	GASKET, input-to-rear housing
15	3037693	1	GASKET, strainer housing

(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION	
16	186600	1	HOUSING, suction strainer	Used prior to transmission serial no. 314019
	916311	2	CAPSCREW, 1/2" NC x 1-1/4"	
	193955	1	HOUSING, suction strainer	Effective transmission serial no. 314019 and up
	3043771	2	CAPSCREW, 1/2" NC x 1-1/4"	
17	3037698	1	SCREEN, strainer	
18	186607	1	SHROUD, strainer	Used prior to transmission serial no. 314019
	918237	2	CAPSCREW, 1/4" NC x 1-1/4"	
	193954	1	SHROUD, strainer	Effective transmission serial no. 314019 and up
	196300	2	CAPSCREW, 1/4" NC x 1-1/4"	
19	188306	1	GASKET, oil transfer cover	
20	189783	1	COVER, oil transfer	
	914847	10	CAPSCREW, 3/8" NC x 1-1/2"	
21	191349	1	HOUSING ASSY., transmission (includes Tubes, see page 143) and PLUGS indented below)	
	922577	5	PLUG, 3/8" tube, 9/16" str. thd. (includes O-RING)	
	921885	5	O-RING, 3/8" tube, plug sealing	
22	188307	2	GASKET, oil supply cover	
23	191347	1	COVER, oil supply, 2nd & 4th, 7" Clutch Pack	
	923166	2	PLUG, 1/4" tube, 7/16" str. thd. (includes O-RING)	
	921883	2	O-RING, 1/4" tube, plug sealing	
	916271	6	CAPSCREW, 3/8" NC x 1"	
24	191348	1	COVER, oil supply, 3rd & 5th, 7" Clutch Pack	
	923166	2	PLUG, 1/4" tube, 7/16" str. thd. (includes O-RING)	
	921883	2	O-RING, 1/4" tube, plug sealing	
	916271	6	CAPSCREW, 3/8" NC x 1"	
25	188297	1	GASKET, bearing retainer	
26	188298	1	RETAINER, bearing	
	916269	5	CAPSCREW, 3/8" NC x 7/8"	
27	187129	1	PLUG (1")	
28	3037706	1	GASKET, oil supply cover	
29	3042393	1	COVER, oil supply, 8" Clutch Pack	
	923166	2	PLUG, 1/4" tube, 7/16" str. thd. (includes O-RING)	
	921883	2	O-RING, 1/4" tube, plug sealing	
	916269	6	CAPSCREW, 3/8" NC x 7/8"	
30	191346	1	COVER, lube oil transfer	
	923166	1	PLUG, 1/4" tube, 7/16" str. thd. (includes O-RING)	
	921883	1	O-RING, 1/4" tube, plug sealing	
	916197	4	CAPSCREW, 7/16" NC x 1-1/4"	
31	188305	1	GASKET, lube transfer cover	
32	186482	1	GASKET, inspection cover	
33	191313	1	COVER, inspection	
	921204	1	PLUG, 3/4" tube, 1-1/16" str. thd. (includes O-RING)	
	921206	1	O-RING, 3/4" tube, plug sealing	
	916269	6	CAPSCREW, 3/8" NC x 7/8"	



CLUTCH PACK (7 INCH)

CLUTCH PACK (7 Inch)
(Second and Fourth)

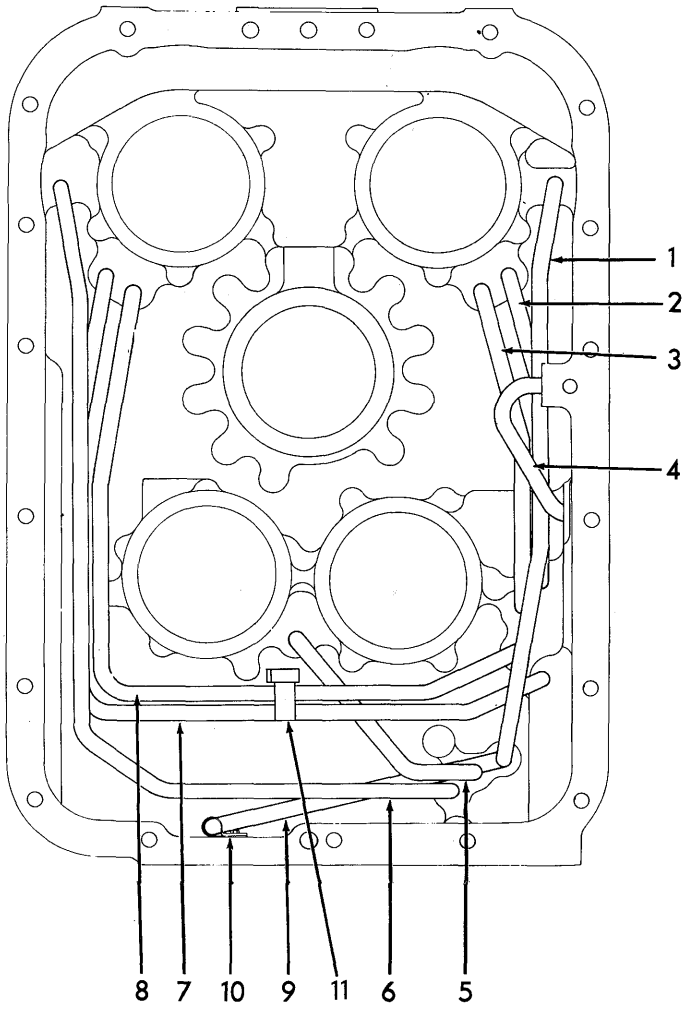
USAGE: Power Shift Transmission

ITEM	PART NO.	QTY.	DESCRIPTION
1	188276	1	BEARING, roller
2	188281	1	GEAR, input driven, 2nd & 4th (34 T.)
3	3037966	1	RING, snap, external
4	188335	1	SPACER, clutch shaft
5	3037645	4	BEARING, needle thrust
6	3037646	4	WASHER, thrust (steel)
7	3037615	3	BEARING, roller, gear-and-ring drive
8	188321	1	DRIVE ASSY., gear-and-ring
9	3037638	2	SPACER, lock
10	639596	4	RETAINER, clutch hub
11	3037641	4	CAPSCREW (5/16" NF x 1/2")
12	3041353	2	HUB, clutch
13	3037623	16	PLATE, clutch (faced)
14	3040230	16	PLATE, clutch (steel)
15	189267	16	SPRING, piston return
16	3041354	2	RETAINER, piston return spring
17	3037635	2	RING, snap, internal
18	3037634	1	RING, snap, internal, clutch piston
19	188324	1	PISTON, clutch inner
20	3037640	1	SEAL RING, clutch piston
21	3037631	2	RING, piston, clutch piston
22	188336	1	SHAFT ASSY., clutch (includes items 23 thru 30)
23	186648	1	PLUG, pipe, orifice
24	188337	1	SHAFT, clutch
25	186666	2	RING, snap, external, clutch carrier
26	3037756	2	PLATE, oil transfer

(Continued)

CLUTCH PACK (7 inch) (Cont.)

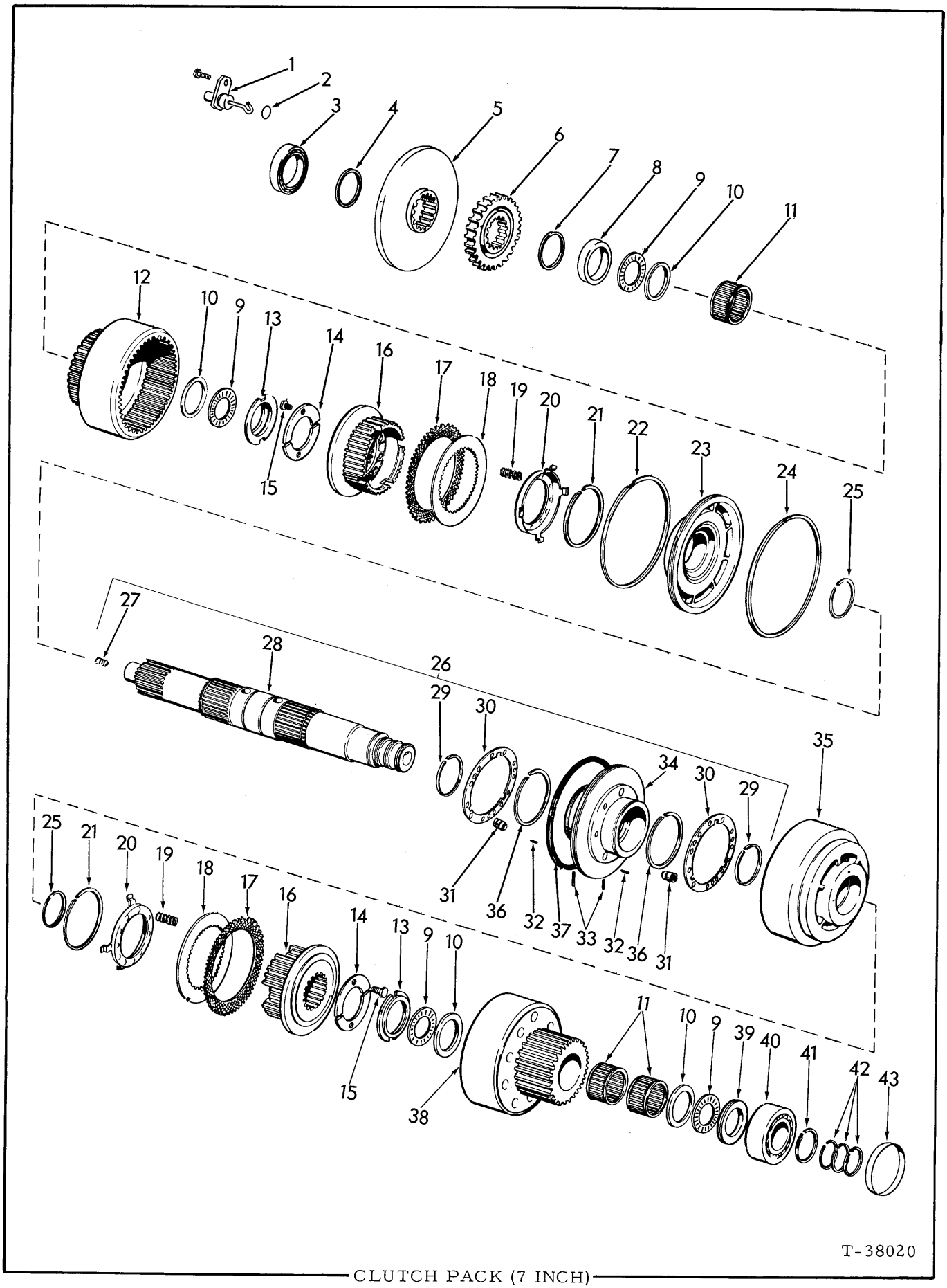
ITEM	PART NO.	QTY.	DESCRIPTION
27	186649	6	PISTON, carrier
28	922745	6	PIN, roll, 5/64" x 5/16"
29	3037758	6	PIN, roll
30	188338	1	CARRIER, clutch
31	3037625	1	PISTON, clutch, outer
32	188330	2	RING, piston, clutch carrier
33	3037633	1	O-RING, clutch carrier
34	196311	1	DRIVE ASSY., gear-and-ring
35	186469	1	SPACER, bearing
36	186652	1	BEARING, roller, clutch shaft
37	628509	1	RING, snap, external bearing retainer
38	3037629	3	RING, piston, clutch shaft



TRANSMISSION HOUSING TUBES

USAGE: Power Shift Transmission

ITEM	PART NO.	QTY.	DESCRIPTION
1	188311	1	TUBE, lube supply, 3rd & 5th
2	188316	1	TUBE, 3rd range clutch
3	188315	1	TUBE, 5th range clutch
4	188318	1	TUBE, lock-up clutch
5	188317	1	TUBE, lube supply, 1st & reverse
6	188312	1	TUBE, lube supply, 2nd & 4th
7	188313	1	TUBE, 4th range clutch
8	188314	1	TUBE, 2nd range clutch
9	189784	1	TUBE, lube, overage
10	189878	1	BRACKET, lube tube
	3043772	1	CAPSCREW
11	191040	1	CLAMP



CLUTCH PACK (7 INCH)

CLUTCH PACK (7 Inch)
(Third and Fifth)

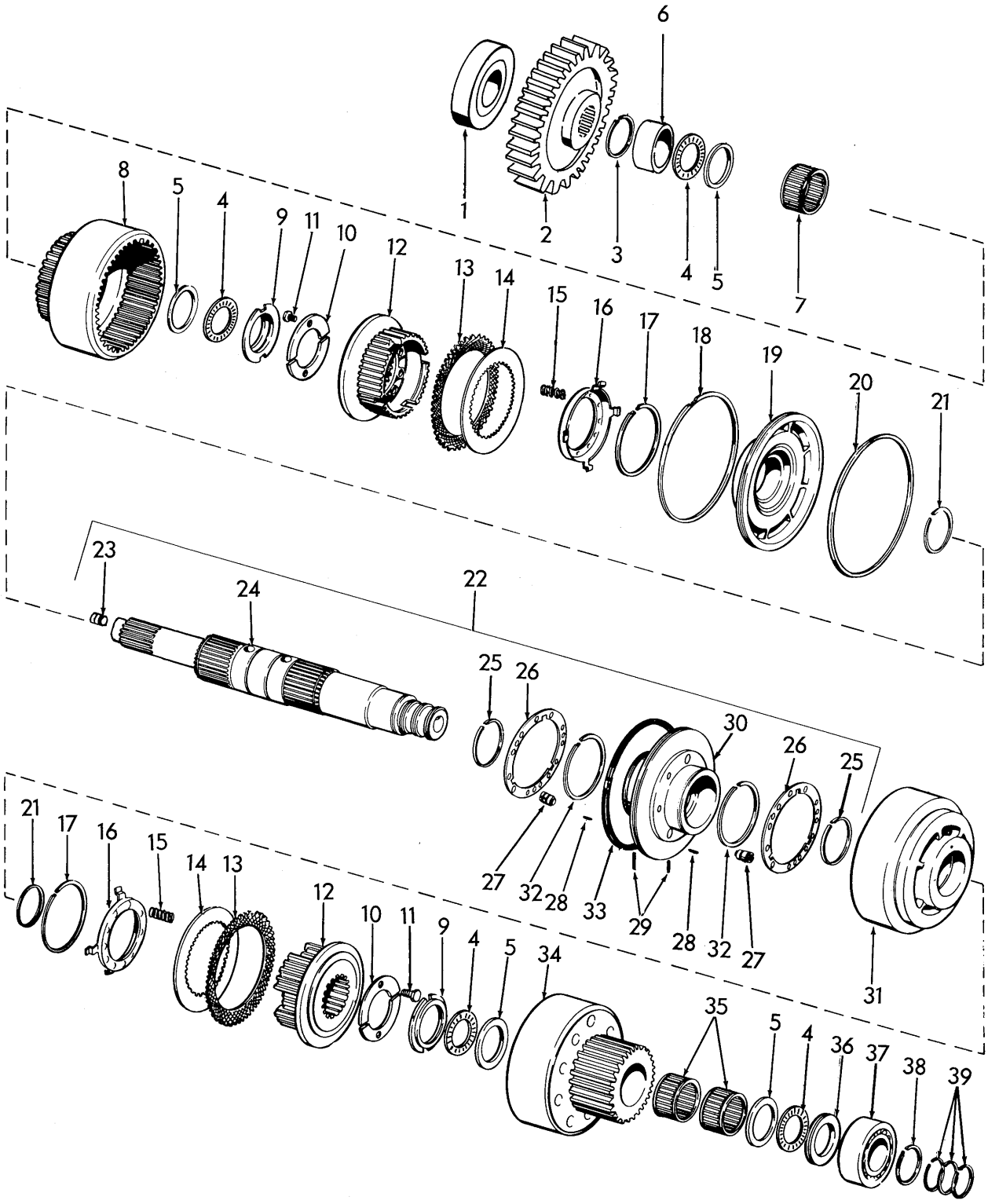
USAGE: Power Shift Transmission

ITEM	PART NO.	QTY.	DESCRIPTION
1	191920	1	ADAPTER ASSY., pitot tube (includes item 2)
	916277	1	CAPSCREW, 5/16" NC x 5/8"
2	186451	1	O-RING, adapter
3	188276	1	BEARING, roller
4	3027739	1	RING, snap, external
5	188284	1	SPINNER, oil
6	188282	1	GEAR, input driven, 3rd & 5th (28 T.)
7	3037966	1	RING, snap, external
8	188366	1	SPACER, clutch shaft
9	3037645	4	BEARING, needle thrust
10	3037646	4	WASHER, thrust (steel)
11	3037615	3	BEARING, roller, gear-and-ring-drive
12	188321	1	DRIVE ASSY., gear and ring
13	3037638	2	SPACER, lock
14	639596	4	RETAINER, clutch hub
15	3037641	4	CAPSCREW (5/16" NF x 1/2")
16	3041353	2	HUB, clutch
17	3037623	16	PLATE, clutch (faced)
18	3040230	16	PLATE, clutch (steel)
19	189267	16	SPRING, piston return
20	3041354	2	RETAINER, piston return spring
21	3037635	2	RING, snap, internal
22	3037634	1	RING, snap, internal, clutch piston
23	188324	1	PISTON, clutch inner
24	3037640	1	SEAL RING, clutch piston
25	3037631	2	RING, piston, clutch piston
26	188367	1	SHAFT ASSY., clutch (includes items 27 thru 34)

(Continued)

CLUTCH PACK (7 Inch) (Cont.)

ITEM	PART NO.	QTY.	DESCRIPTION
27	186648	1	PLUG, pipe, orifice
28	188350	1	SHAFT, clutch
29	186666	2	RING, snap, external, clutch carrier
30	3037756	2	PLATE, oil transfer
31	186649	6	PISTON, carrier
32	922745	6	PIN, roll, 5/64" x 5/16"
33	3037758	6	PIN, roll
34	188338	1	CARRIER, clutch
35	3037625	1	PISTON, clutch, outer
36	188330	2	RING, piston, clutch carrier
37	188331	1	O-RING, clutch carrier
38	196311	1	DRIVE ASSY., gear-and-ring
39	186469	1	SPACER, bearing
40	063912	1	BEARING, roller, clutch shaft
41	628509	1	RING, snap, external bearing retainer
42	3037629	3	RING, piston, clutch shaft
43	188319	1	SPACER, bearing



CLUTCH PACK (8 INCH)

CLUTCH PACK (8 Inch)

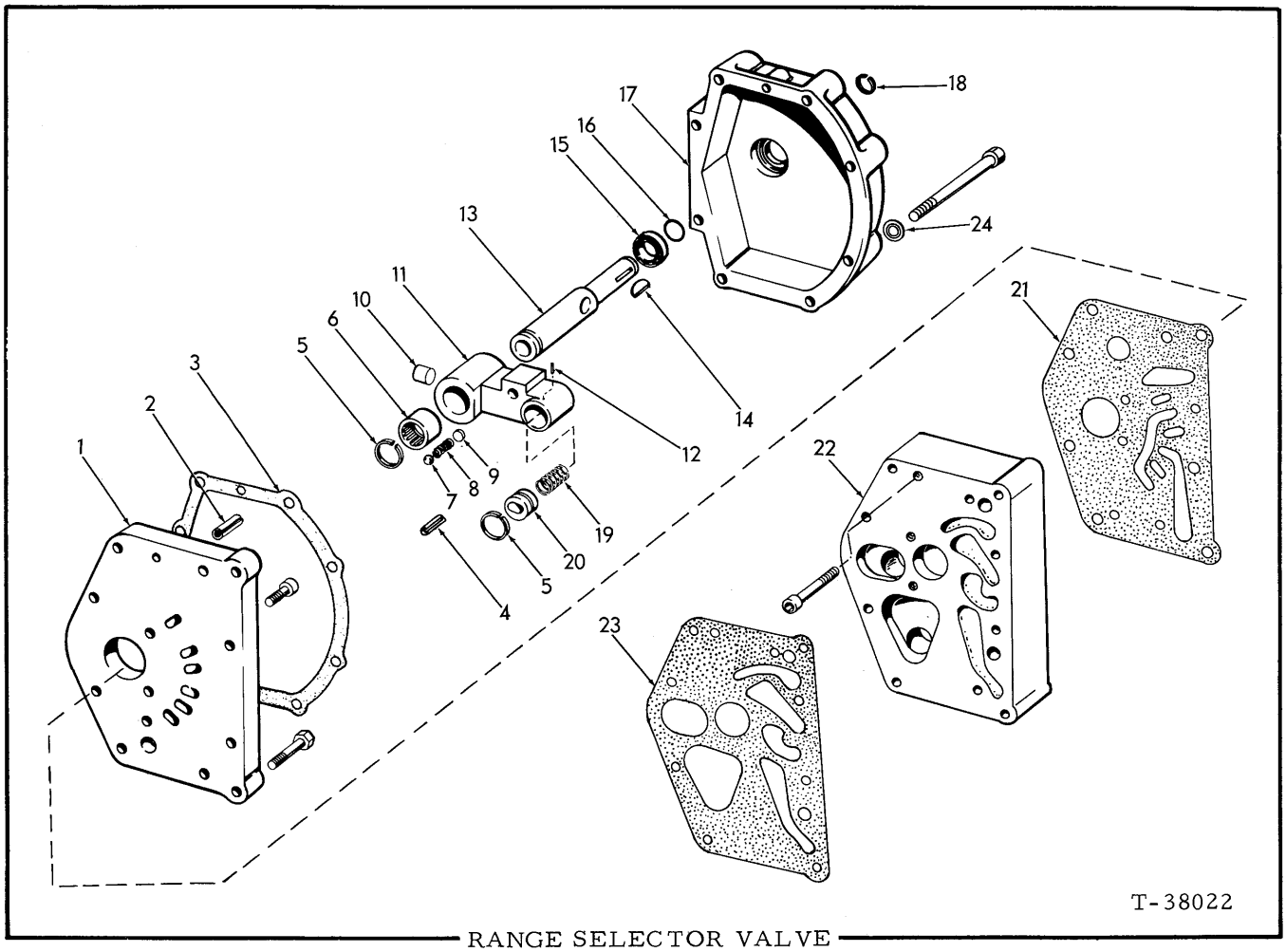
USAGE: Power Shift Transmission

ITEM	PART NO.	QTY.	DESCRIPTION
1	188276	1	BEARING, roller
2	195510	1	GEAR, input driven, 1st and rev. (50 T.)
3	3037966	1	RING, snap, external
4	3037645	4	BEARING, needle thrust
5	186473	4	WASHER, thrust (steel)
6	188345	1	SPACER, clutch shaft
7	186462	1	BEARING, roller, gear-and-ring drive
8	188343	1	DRIVE ASSY., gear-and-ring
9	3037638	2	SPACER, lock
10	639596	4	RETAINER, clutch hub
11	3037641	4	CAPSCREW (5/16" NF x 1/2")
12	643571	2	HUB, clutch
13	642113	16	PLATE, clutch (faced)
14	642146	16	PLATE, clutch (steel)
15	189267	16	SPRING, piston return
16	643572	2	RETAINER, piston return spring
17	639572	2	RING, snap, internal
18	639584	1	RING, snap, internal, clutch piston
19	639597	1	PISTON, clutch inner
20	639567	1	SEAL RING, clutch piston
21	186466	2	RING, piston, clutch piston
22	188346	1	SHAFT ASSY., clutch (includes items 23 thru 30)
23	186648	1	PLUG, pipe, orifice, 1/4"
24	188347	1	SHAFT, clutch
25	052175	2	RING, snap, external, clutch carrier
26	639609	2	PLATE, oil transfer
27	639598	6	PISTON, carrier

(Continued)

CLUTCH PACK (8 Inch) (Cont.)

ITEM	PART NO.	QTY.	DESCRIPTION
28	922745	6	PIN, roll, 5/64" x 5/16"
29	3037768	6	PIN, roll, 5/64" x 1-1/8"
30	186664	1	CARRIER, clutch
31	639630	1	PISTON, clutch, outer
32	639585	2	RING, piston, clutch carrier
33	639576	1	O-RING, clutch carrier
34	195516	1	DRIVE ASSY., gear-and-ring
35	3037615	2	BEARING, roller, gear-and-ring drive
36	186469	1	SPACER, bearing
37	186652	1	BEARING, roller, clutch shaft
38	628509	1	RING, snap, external bearing retainer
39	3037629	3	RING, piston, clutch shaft

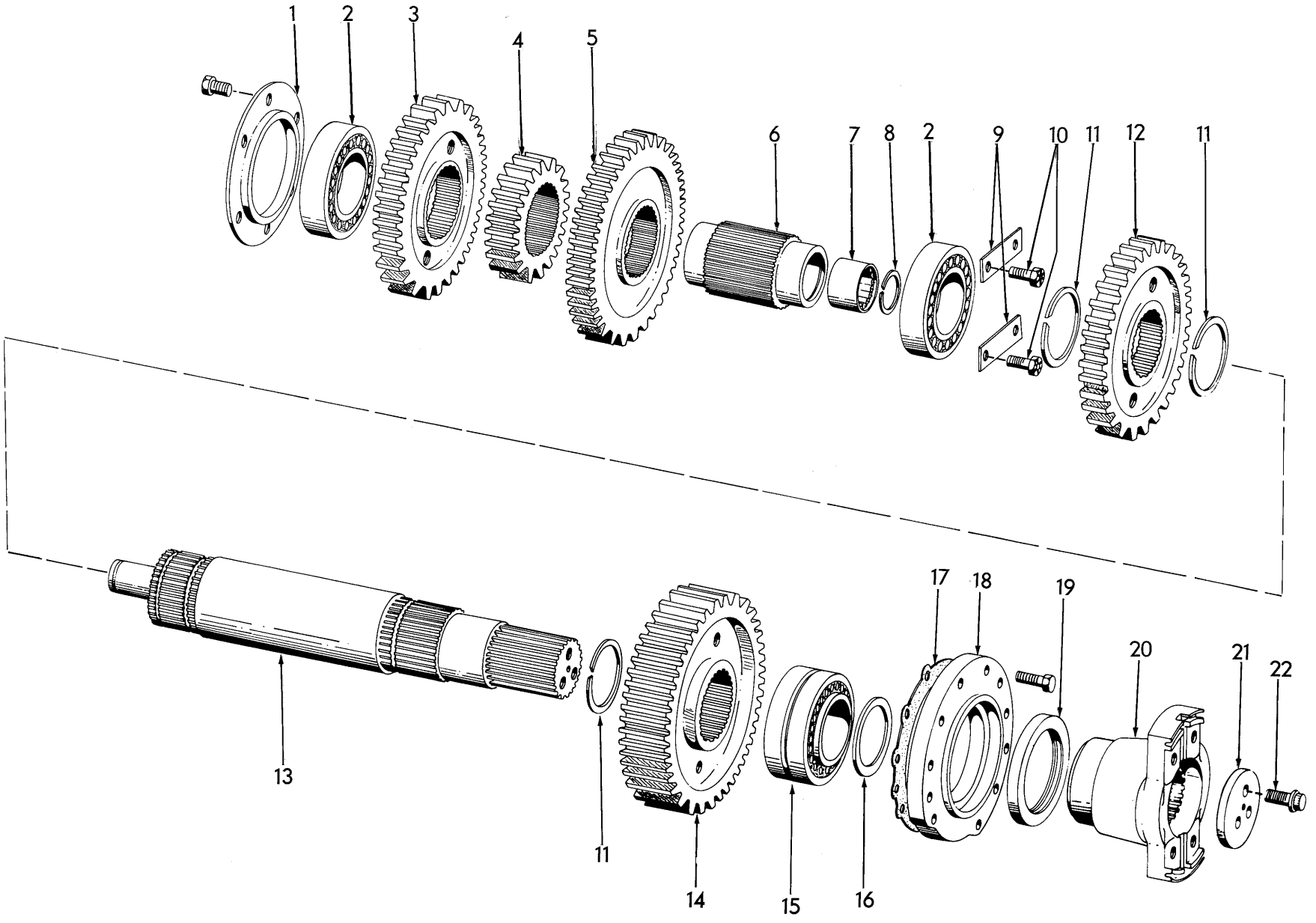


RANGE SELECTOR VALVE

RANGE SELECTOR VALVE

USAGE: Power Shift Transmission

ITEM	PART NO.	QTY.	DESCRIPTION
-	191027	1	VALVE ASSY., range selector (includes items 1 thru 23)
	921160	2	CAPSCREW, 5/16" NC x 2-1/4"
1	191028	1	PLATE ASSY., base (includes items 2 and 6)
	912261	2	CAPSCREW, hex-socket, 1/4" NC x 3/4"
2	918547	1	PIN, roll
3	644276	1	GASKET, valve cover
4	919347	2	PIN, roll, detent
5	637623	2	RING, piston
6	050442	1	BEARING, needle, selector valve shaft
7	915905	1	BALL, steel, 3/8" diam.
8	642849	1	SPRING, detent
9	187120	-	WASHER, shim (use as required)
10	186674	1	PIN, dowel, range
11	639846	1	SHAFT ASSY., range selector (includes Valve and items 10 and 13)
	188364	1	VALVE, range selector
12	639976	1	PIN, roll, valve wiper
13	186680	1	SHAFT, range selector valve
14	905123	1	KEY, woodruff, selector shaft
15	186668	1	BEARING, ball, selector shaft
16	186266	1	O-RING, selector shaft
17	644277	1	COVER, range selector valve
18	639946	1	RING, snap, external, selector shaft
19	639969	1	SPRING, wiper
20	639919	1	WIPER, selector valve
21	188361	1	GASKET, base plate
22	188363	1	PLATE, ditch
	912262	1	CAPSCREW, hex socket, 1/4" NC x 1"
23	188360	1	GASKET, ditch plate
24	185011	8	WASHER, stat-o-seal } Not included in
	919291	8	CAPSCREW, 5/16" NC x 3-3/4" } Valve Assy.

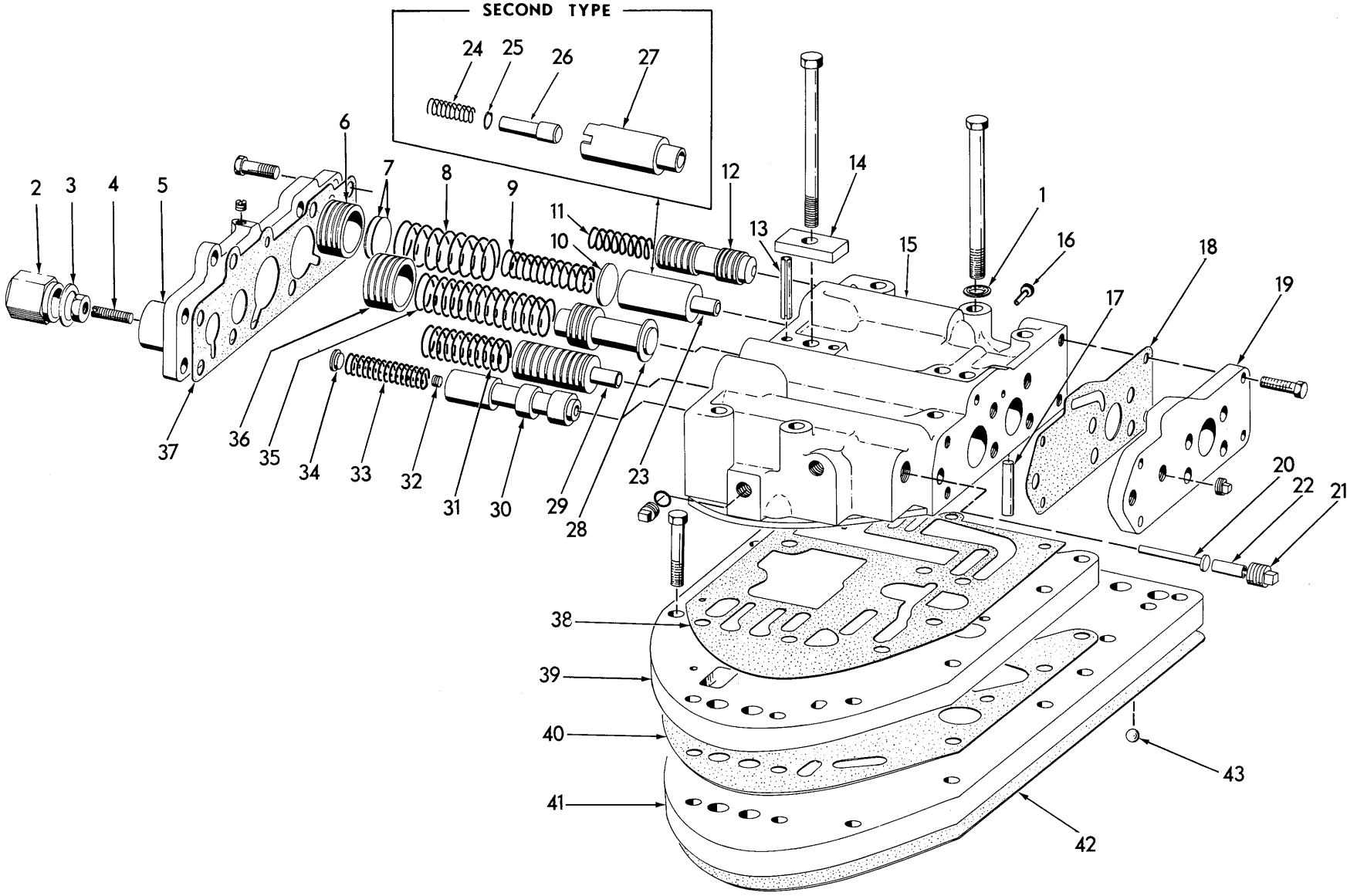


OUTPUT GROUP

OUTPUT GROUP

USAGE: Power Shift Transmission

ITEM	PART NO.	QTY.	DESCRIPTION
1	188355	1	RETAINER, bearing
	192433	6	CAPSCREW (3/8" NC x 3/4")
2	187686	2	BEARING, roller
3	188277	1	GEAR, driver, 2nd and 4th input (38 T.)
4	195509	1	GEAR, driver, 1st and rev. input (22 T.)
5	188280	1	GEAR, driven, 3rd and 4th input (44 T.)
6	188357	1	SLEEVE, input
7	188349	1	BEARING, needle roller
8	188356	1	RING, snap, internal
9	188354	2	RETAINER, bearing
10	3043774	4	CAPSCREW (3/8" NC x 7/8")
11	4054156	3	RING, snap, external
12	188287	1	GEAR, driven, high output (37 T.)
13	193990	1	SHAFT, output
14	195511	1	GEAR, driven, low output (50 T.)
15	188285	1	BEARING, roller
16	188293	1	SPACER, output yoke (FIRST TYPE)
	196333	1	RACE, thrust (SECOND TYPE)
17	188289	1	GASKET, retainer
18	188291	1	RETAINER, seal and bearing
	916197	11	CAPSCREW, 7/16" NC x 1-1/4"
19	628357	1	SEAL, oil, rear
20	189577	1	YOKE, output
21	186689	1	WASHER, yoke retaining
22	191032	3	CAPSCREW, 12 pt. (1/2" NF x 1-1/4")



REGULATOR VALVE

REGULATOR VALVE

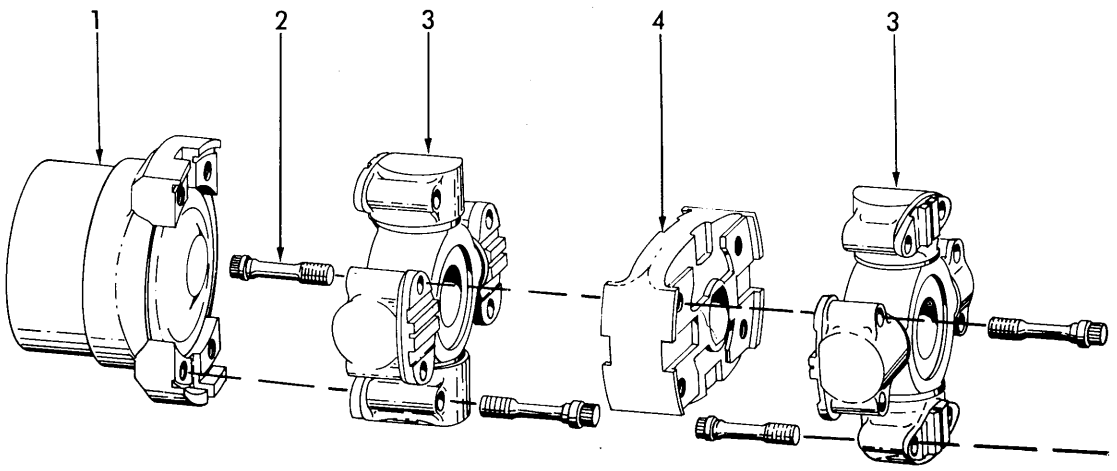
USAGE: Power Shift Transmission

ITEM	PART NO.	QTY.	DESCRIPTION
-	191922	1	VALVE ASSY., regulator (includes items 2 thru 37)
	919291	8	CAPSCREW, 5/16" NC x 3-3/4"
	919784	1	CAPSCREW, 5/16" NC x 4"
1	185011	8	WASHER, seal
2	186591	1	COVER, adjusting screw
3	186488	1	WASHER, adjusting screw sealing
4	186394	1	SCREW, adjusting
	914321	1	NUT, jam, 5/16" NC
5	191924	1	COVER, brake apply valve
	915813	8	CAPSCREW, 5/16" NC x 7/8"
6	188388	1	VALVE, main pressure boost
7	189085	-	WASHER, main regulator valve (use as required)
8	191036	1	SPRING, regulator valve (outer)
9	639948	1	SPRING, regulator valve (inner)
10	3037730	1	WASHER, spring
11	191017	1	SPRING, valve lock-up flow
12	639933	1	PISTON, lock-up flow
13	186583	2	PIN, roll
14	188381	1	PLATE, clamp
15	191923	1	BODY, regulator valve (used prior to transmission serial no. 327306)
	196315	1	BODY, regulator valve (effective transmission serial no. 327306)
	923166	1	PLUG, 1/4" tube, 7/16" str. thd. (includes O-RING)
	921883	1	O-RING, 1/4" tube, plug sealing
16	186586	1	STOP, converter regulator valve (effective transmission serial no. 327306)
17	188380	1	PIN, dowel
18	188371	1	GASKET, regulator valve body cover
19	191925	1	COVER, regulator valve body
	923166	1	PLUG, 1/4" tube, 7/16" str. thd. (includes O-RING)
	921883	1	O-RING, 1/4" tube, plug sealing
	915813	4	CAPSCREW, 5/16" NC x 7/8"
20	186443	1	PISTON, guide

(Continued)

REGULATOR VALVE (Cont.)

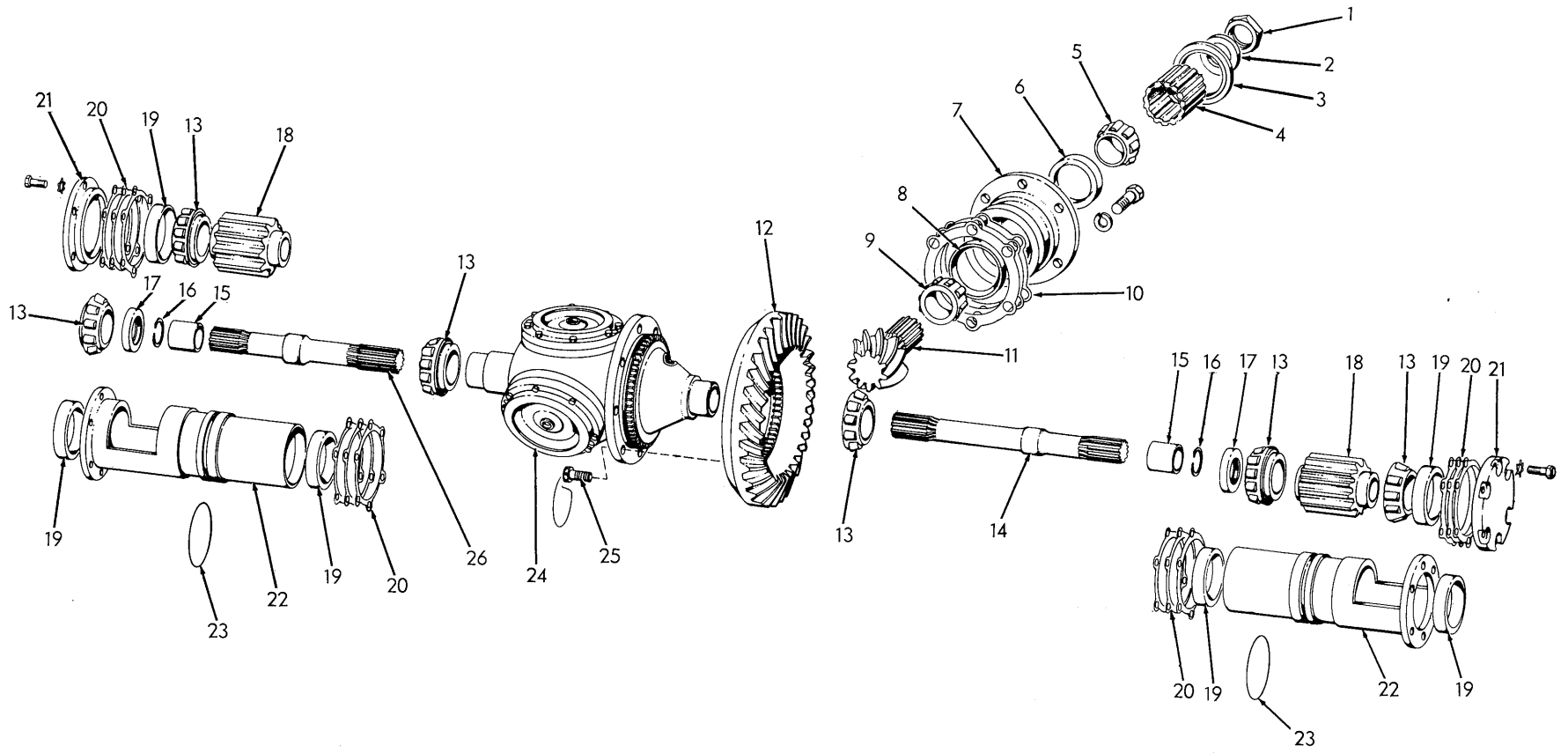
ITEM	PART NO.	QTY.	DESCRIPTION
21	191926	1	PLUG, pipe, str. thd. (1/2")
22	921019	1	PIN, roll, 7/32" x 3/4"
23	------	1	VALVE, regulator (See items 24 thru 27)
24	3027753	1	SPRING
25	192418	1	RING, snap
26	192446	1	VALVE, cold oil relief
27	191326	1	VALVE, main regulator (used prior to transmission serial no. 323252)
	195526	1	VALVE, main regulator (effective transmission serial no. 323252)
28	191046	1	VALVE, converter regulator (used prior to transmission serial no. 327306)
	188511	1	VALVE, converter regulator (effective transmission serial no. 327306)
29	639920	1	VALVE, regulator
30	188391	1	VALVE, lock-up
31	188384	1	SPRING, lube regulator valve
32	188168	1	PLUG, pipe, lock-up valve
33	189270	1	SPRING, lock-up valve
34	187134	1	WASHER, governor valve
35	188385	1	SPRING, converter valve
36	188392	1	VALVE, converter
37	188375	1	GASKET, valve cover
38	188372	1	GASKET, regulator valve ditch plate
39	195500	1	PLATE, ditch (top) (effective transmission serial no. 306269)
	916279	4	CAPSCREW, 5/16" NC x 1-1/2"
40	188374	1	GASKET, top to bottom ditch plates
41	188379	1	PLATE, ditch (bottom)
42	188373	1	GASKET, bottom ditch plate to housing
43	915904	1	BALL (5/16" diam.)



T-38002

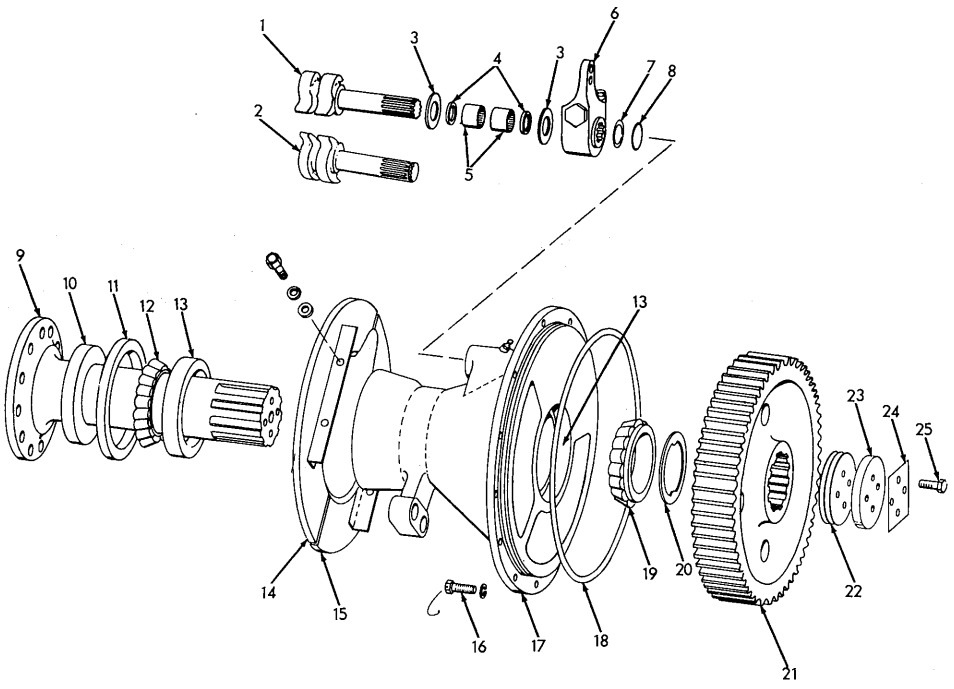
UNIVERSAL ASSEMBLY

ITEM	PART NO.	QTY.	DESCRIPTION
1	187963	1	YOKE ASSY.
2	187966	16	CAPSCREW
3	187964	2	SPIDER ASSY.
4	187965	1	COUPLING



FINAL DRIVE

ITEM	PART NO.	QUANTITY *	QUANTITY **	DESCRIPTION
5	181192	6	-	PIN, dowel
6	182808	3	-	RING, support
	196059	-	3	RING, support
7	182699	24	24	CAPSCREW, drilled hd. (5/8" NF x 2-1/2")
	196060	-	24	WASHER
	------	12	12	WIRE, locking, 16 ga. x 10" (obtain locally)
8	185509	2	2	GEAR, differential (24 T.)
9	183851	2	2	WASHER, thrust (three tang)
10	------	-	3	RING, dowel (not serviced - order 195976 Pinion Assy., item 4)



DRIVE AXLE AND GEAR

USAGE: Tractor Only

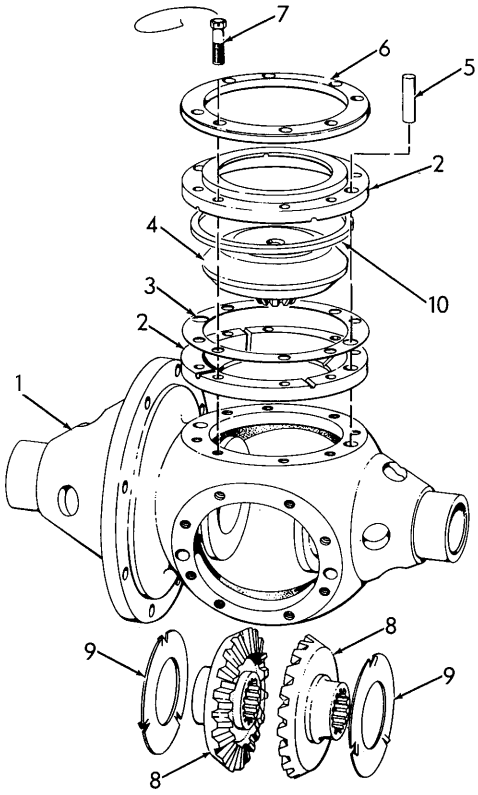
NOTE: Quantities shown are sufficient for ONE Axle only

ITEM	PART NO.	QTY.	DESCRIPTION
1	179458	1	CAMSHAFT, brake (L.H. side)
2	179459	1	CAMSHAFT, brake (R.H. side)
3	166708	2	WASHER
4	166528	2	SEAL, dust
5	076959	2	BEARING, needle
6	191351	1	SLACK ADJUSTER (serviced only as a unit)
7	166707	1	RETAINER
8	162394	1	RING, snap
9	181043	1	AXLE ASSY., drive (includes AXLE and item 10)
10	179121	1	SPACER
11	159616	1	SEAL (FIRST TYPE)
	196297	1	SEAL (SECOND TYPE)
12	162209	1	CONE, bearing
13	162210	2	CUP, bearing

(Continued)

FINAL DRIVE

ITEM	PART NO.	QTY.	DESCRIPTION
1	181754	1	NUT, lock, 1-1/2" NF
2	179555	1	WASHER
3	181937	1	SEAL, oil
4	196330	1	SLEEVE, splined
5	211583	1	CONE, bearing
6	042898	1	CUP, bearing
7	181890	1	HOUSING ASSY., pinion (includes items 6 and 8)
	920417	4	CAPSCREW, nylok, 5/8" NC x 1-1/2"
	920418	2	CAPSCREW, socket hd., nylok, 5/8" NC x 1-1/4"
	910543	4	LOCKWASHER, 5/8"
8	177972	1	CUP, bearing
9	177962	1	CONE, bearing
10	177942	6	SHIM, .005" } Use as required
	177943	6	SHIM, .007" } Use as required
	177944	2	SHIM, .020" } Use as required
11	192811	1	PINION, spiral bevel (9 T.)
12	192812	1	GEAR, spiral bevel (43 T.)
13	177359	6	CONE, bearing
14	180401	1	SHAFT, pinion drive (R.H. side) (FIRST TYPE)
	198196	1	SHAFT, pinion drive (R.H. side) (SECOND TYPE)
15	177360	2	SPACER
16	177351	2	RING, snap
17	179177	2	SEAL, oil pinion shaft
18	177281	2	PINION, final drive (13 T.)
19	177354	6	CUP, bearing
20	177939	24	SHIM, .005" } Use as required
	177940	24	SHIM, .007" } Use as required
	177941	8	SHIM, .020" } Use as required
21	179172	2	CAP, end
	920543	12	CAPSCREW, nylok, 5/8" NC x 2"
	910543	12	LOCKWASHER, ext. tooth, 5/8"
22	179167	2	CARTRIDGE, final pinion
23	607688	2	O-RING, pinion cartridge
24	------	1	DIFFERENTIAL ASSY. (See page 160)
25	179185	8	CAPSCREW, drilled hd. (9/16" NF x 1-3/4")
	------	4	WIRE, locking, 16 ga. x 12-1/2" (obtain locally)
26	180400	1	SHAFT, pinion drive (L.H. side) (FIRST TYPE)
	198195	1	SHAFT, pinion drive (L.H. side) (SECOND TYPE)



T-26724

DIFFERENTIAL ASSEMBLY

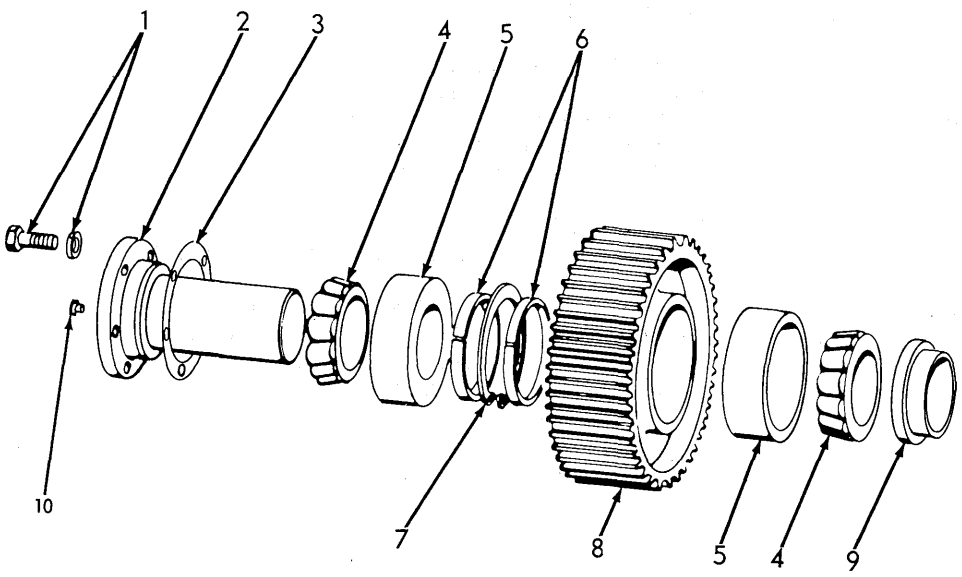
* - Used prior to tractor serial no. 7089
** - Effective tractor serial no. 7089

ITEM	PART NO.	QUANTITY *	QUANTITY **	DESCRIPTION
-	185507	1	-	DIFFERENTIAL ASSY. (includes items 1 thru 9)
	195973	-	1	DIFFERENTIAL ASSY. (includes items 1 thru 4, 6 thru 10) (Used prior to tractor serial no. 7257)
	197436	-	1	DIFFERENTIAL ASSY. (includes items 1 thru 4, 6 thru 10) (Effective tractor serial no. 7257 and up)
1	180395	1	-	HOUSING, differential (Original Equipment)
	197438	1	-	HOUSING, differential (Service Replacement)
	195982	-	1	HOUSING, differential (Used prior to tractor serial no. 7257)
	197415	-	1	HOUSING, differential (Effective tractor serial no. 7257 and up)
2	182807	6	-	BUSHING, differential pinion
	------	-	6	BUSHING, differential pinion (not serviced - order 195976 Pinion Assy., item 4)
3	195263	9	-	SHIM, bushing (.005" thick)
	195980	-	9	SHIM, bushing (.005" thick)
	195981	-	15	SHIM, bushing (.003" thick)
4	185281	3	-	PINION ASSY. (welded) (10 T.)
	195976	-	3	PINION ASSY. (10 T.) (includes items 2, 3, 10 - serviced only as a unit)
	------	-	6	CAPSCREW } Included in Pinion Assy. for
	------	-	6	NUT } shipping purposes only - remove

(Continued)

DRIVE AXLE AND GEAR (Cont.)

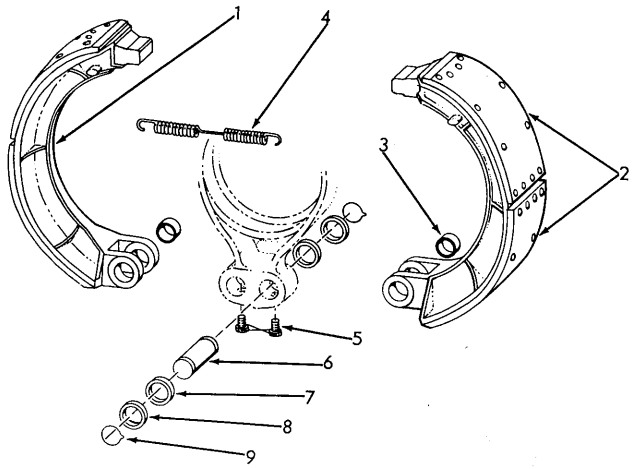
ITEM	PART NO.	QTY.	DESCRIPTION
14	179118	1	SHIELD, dust (half)
15	178845	1	SHIELD, dust (half)
	915408	4	CAPSCREW, 3/8" NC x 3/4"
	904206	4	LOCKWASHER, 3/8"
	900817	4	WASHER, plain, 3/8"
16	187784	16	CAPSCREW, drilled hd., nylok (3/4" NF x 1-3/4")
	------	8	WIRE, locking, 16 ga. x 15" (obtain locally)
17	187812	1	HOUSING, axle (used prior to tractor serial no. 7094)
	196810	1	HOUSING, axle (effective tractor serial no. 7094 - does not require Washer, item 20)
	915276	1	FITTING, lube, 90°, 1/8" PT (used prior to tractor serial no. 6889)
	915275	1	FITTING, lube, 65°, 1/8" PT (effective tractor serial no. 6889 and up)
18	179173	1	O-RING
19	174819	1	CONE, bearing
20	179122	1	WASHER, wear (used prior to tractor serial no. 7094)
21	178109	1	GEAR, drive (66 T.)
22	185066	5	SHIM, .020" } Use as required
	185067	3	SHIM, .005" } Use as required
	185068	1	SHIM, 10 ga. } Use as required
23	179123	1	CAP, end
24	179124	1	WASHER, retaining
25	916330	1	CAPSCREW, 3/4" NF x 2"



IDLER GEAR AND AXLE

NOTE: Quantities shown are sufficient for ONE axle only.

ITEM	PART NO.	QTY.	DESCRIPTION
1	920541	6	CAPSCREW, nylok, 1/2" NC x 1-1/2"
	910210	6	LOCKWASHER, 1/2", ext. tooth
2	179171	1	SHAFT, idler
3	179018	2	SHIM, .005" } Use as required
	179019	6	SHIM, .007" } Use as required
	179020	6	SHIM, .020" } Use as required
4	177358	2	CONE, bearing
5	069328	2	CUP, bearing
6	177365	2	SPACER
7	177364	1	RING, snap
8	178110	1	GEAR, idler (53 T.)
9	175665	1	BUSHING
10	177288	1	PLUG, rubber, idler axle



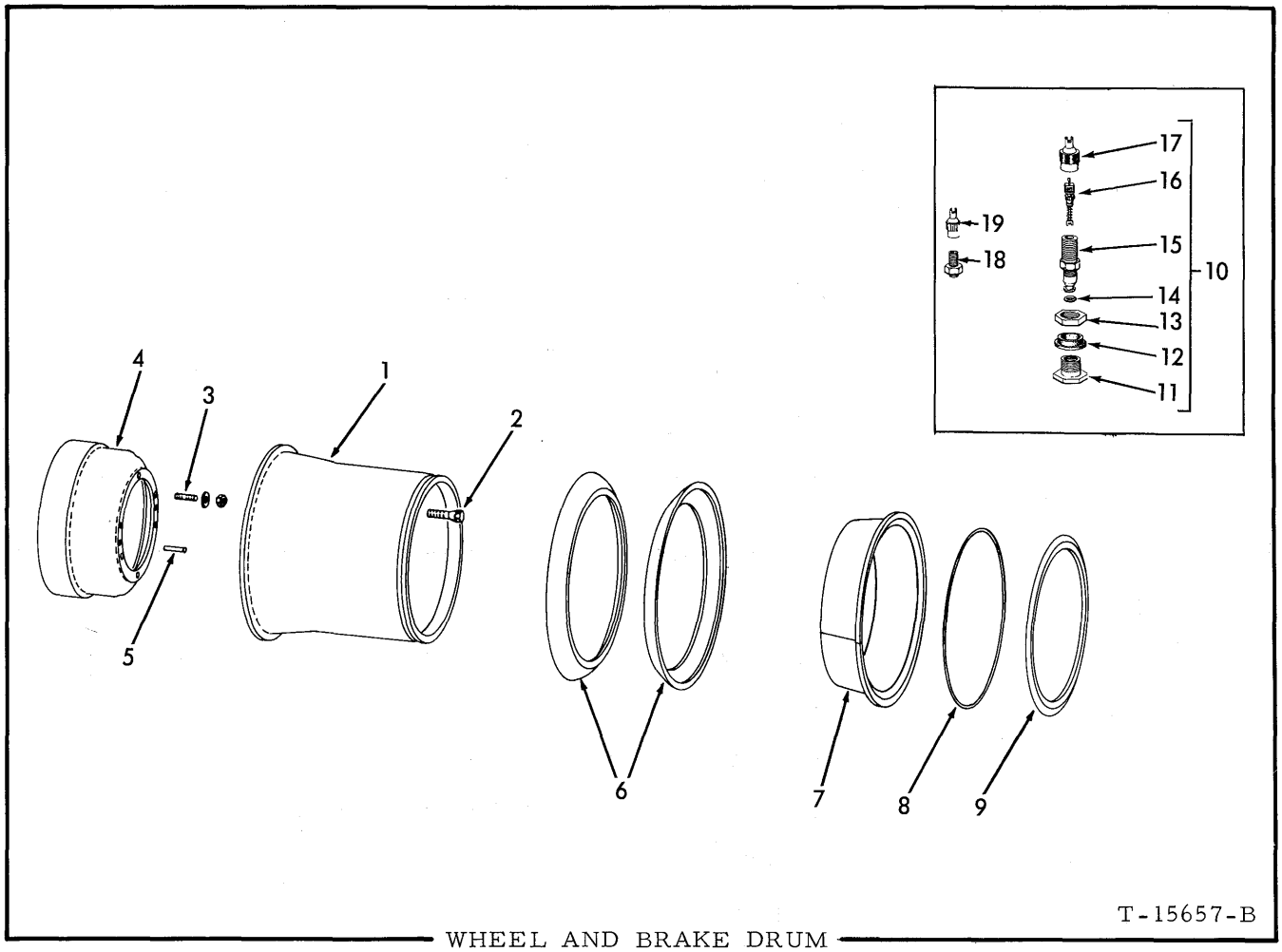
T-15662

BRAKE SHOES

USAGE: Tractor

NOTE: Quantities shown are sufficient for ONE WHEEL ONLY

ITEM	PART NO.	QTY.	DESCRIPTION
1	180229	2	SHOE ASSY., brake (includes items 2 and 3)
2	180269	-	LINING KIT (includes LININGS and RIVETS sufficient for two brake shoes)
	918627	56	RIVET, 1/4" x 5/8"
3	166697	4	BUSHING, brake shoe
4	166704	1	SPRING, return
5	166779	2	CAPSCREW, drilled hd. (3/8" NC x 5/8")
	------	1	WIRE, locking, 16 ga. x 12-1/2" (obtain locally)
6	179460	2	PIN, anchor
7	166699	4	FELT
8	166712	4	RETAINER, felt
9	166695	4	RETAINER, spring



WHEEL AND BRAKE DRUM

USAGE: For Tractor Only

* - 29.50 x 25 (Standard Equipment)
** - 26.50 x 29 (Special Equipment)

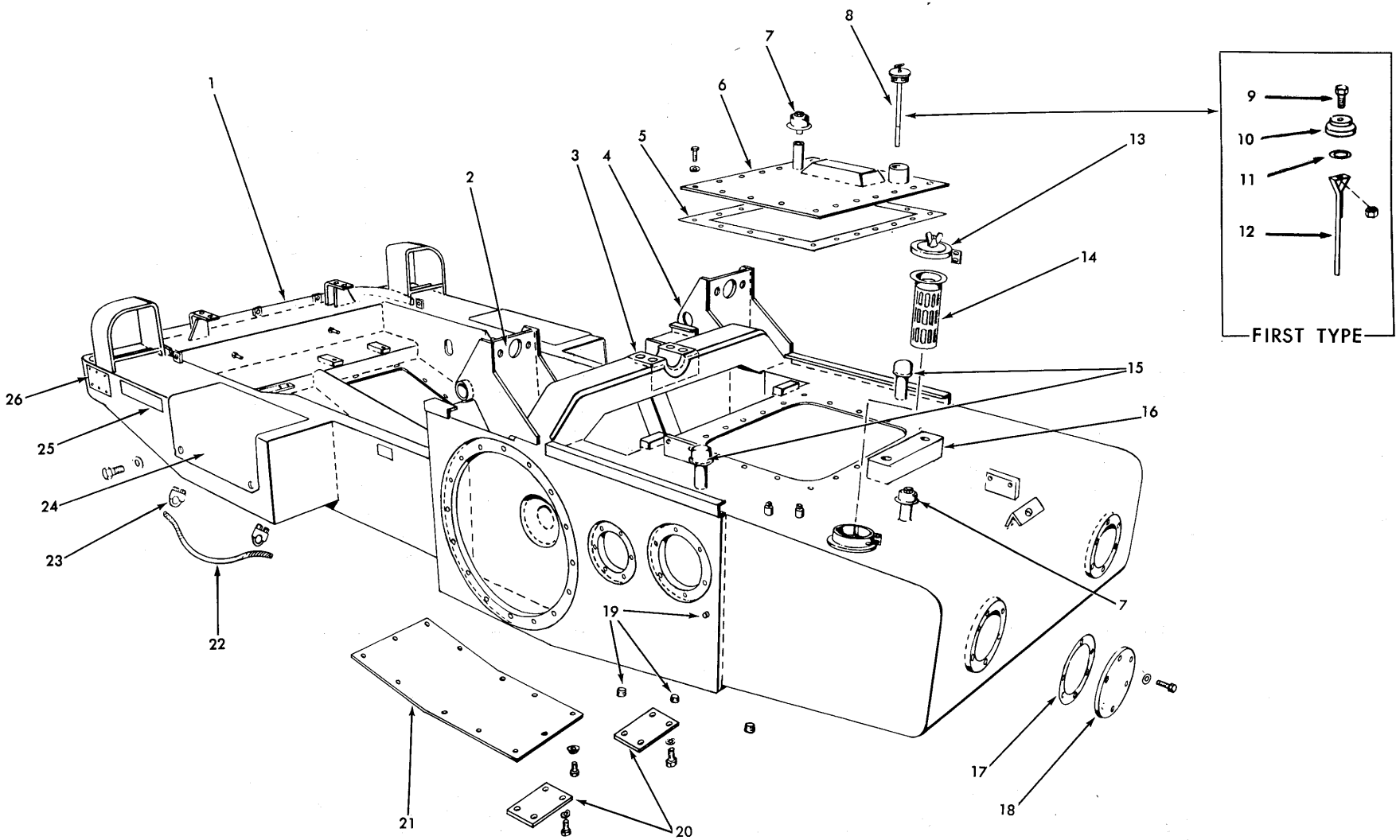
NOTE: Quantities shown are sufficient for ONE WHEEL ONLY

ITEM	PART NO.	QUANTITY * 29.50 x 25	QUANTITY ** 26.50 x 29	DESCRIPTION
1	195794	1	-	WHEEL
	187364	-	1	WHEEL
				NOTE: Wheels may be identified by part number stamped on disc or on edge of rim base.
2	196067	12	12	CAPSCREW, taper hd. (1" NF x 3" full length) (FIRST TYPE)
	197814	12	12	CAPSCREW, taper hd. (1" NF x 3" full length) (SECOND TYPE)

(Continued)

WHEEL AND BRAKE DRUM (Cont.)

ITEM	PART NO.	QUANTITY * 29.50 x 25	QUANTITY ** 26.50 x 29	DESCRIPTION
3	176639	6	6	STUD (3/4" NF x 3/4" NC x 3")
	904369	6	6	LOCKWASHER, 3/4"
	910175	6	6	NUT, 3/4" NF
4	179190	1	1	DRUM, brake
5	167190	2	2	PIN, dowel, brake drum
6	177473	1	-	FLANGE
	159584	-	1	FLANGE
7	180412	1	-	BAND, bead seat
	180445	-	1	BAND, bead seat
8	179602	1	-	O-RING
	184225	-	1	O-RING
9	180411	1	-	LOCK RING
	180444	-	1	LOCK RING
10	179487	1	1	STEM ASSY., valve (includes items 11 thru 17)
11	179654	1	1	SPUD, valve stem
12	179655	1	1	GROMMET, rubber
13	179656	1	1	NUT, lock, valve stem
14	179658	1	1	O-RING
15	179657	1	1	STEM, valve
16	169832	1	1	CORE, valve
17	180016	1	1	CAP, jumbo valve (also refer to items 18 and 19)
18	169833	1	1	ADAPTER ASSY., valve (includes Plunger) (used to adapt jumbo valve to standard air chuck)
19	170602	1	1	CAP, valve adapter (for use with item 18)



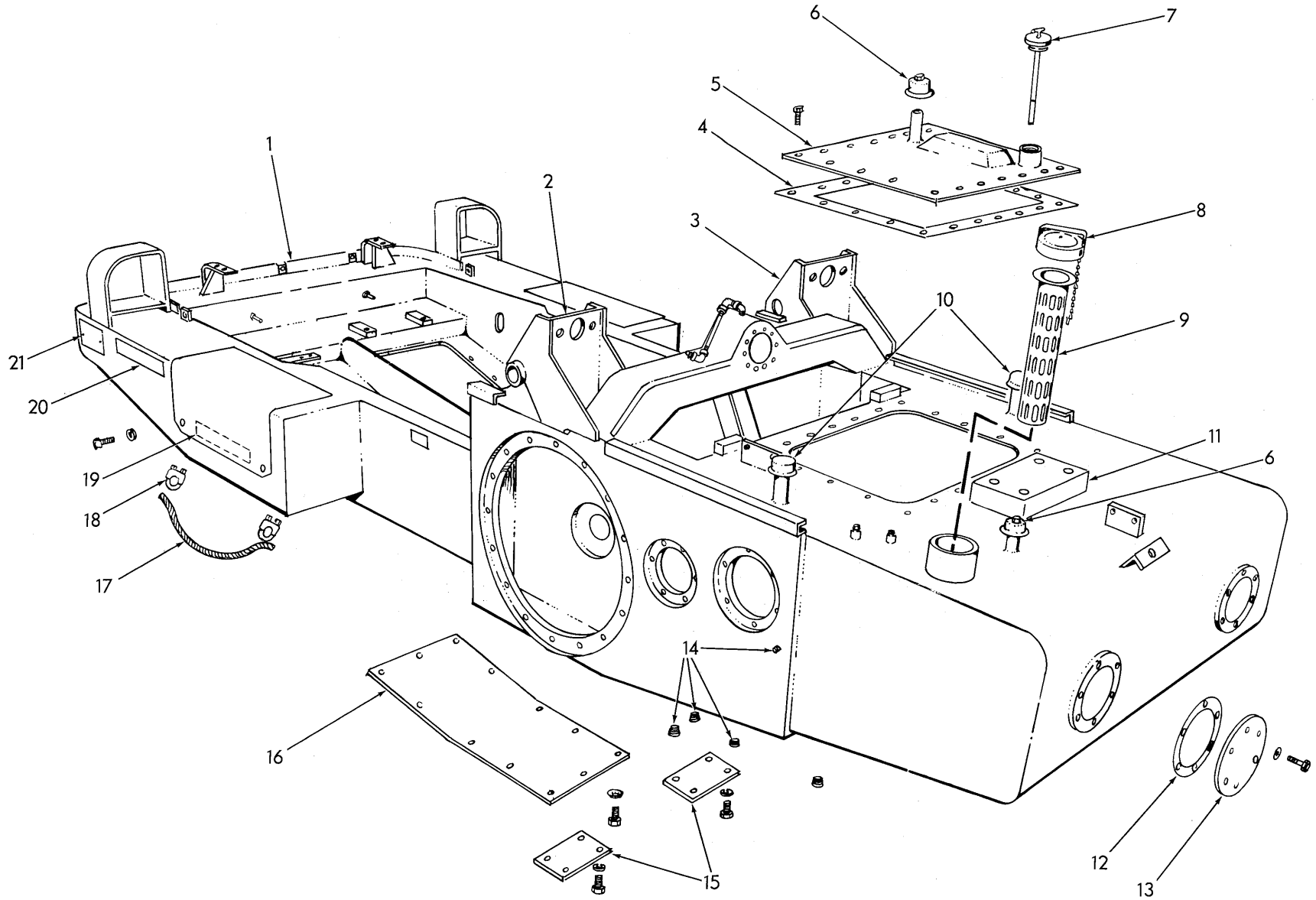
T-14694-C

GEAR CASE AND FRAME (FIRST TYPE)

GEAR CASE AND FRAME (FIRST TYPE)

USAGE: Prior to tractor serial no. 6483

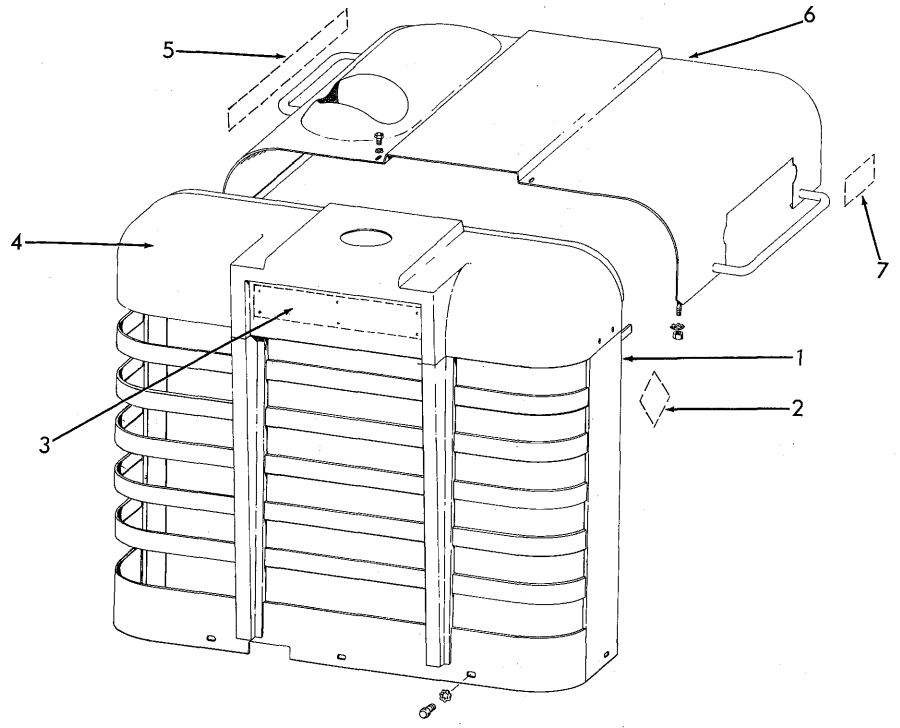
ITEM	PART NO.	QTY.	DESCRIPTION	
1	192806	1	FRAME ASSY. (welded) Includes pipe plug indented below and items 2, 3, 4, 13, 14, 16, 17, 18, 21)	
	901655	1	PLUG, pipe, sq. hd., 3/4"	
	908304	4	CAPSCREW, cd. pltd., 1/2" NC x 1"	} At Battery Covers
	910244	4	WASHER, S.A.E. plain, 1/2"	
2	185512	1	SUPPORT, brake rotochamber, L.H.	
3	185573	1	BLOCK KIT, front hitch mounting	
4	185511	1	SUPPORT, brake rotochamber, R.H.	
5	182189	1	GASKET, differential cover	
6	182190	1	COVER, differential (prior to tractor serial no. 6301)	
	193375	1	COVER, differential (Effective tractor serial no. 6301)	
7	181976	2	BREATHER (restricted, 1/2" NPT)	
8	193374	1	DIPSTICK ASSY., includes PLUG (Effective tractor serial no. 6301)	
9	103023	1	CAPSCREW, special (1/4" NF x 1-1/4")	} Used prior to tractor serial no. 6301)
	916590	1	NUT, 1/4" NF	
10	178735	1	CAP	
11	196515	1	GASKET, cap	
12	182494	1	DIPSTICK	
13	181220	1	CAP ASSY., filler (includes GASKET)	
	178371	1	GASKET, cap	
14	182755	1	STRAINER	
15	158692	2	CAP, breather	
16	188654	1	BLOCK KIT, rear hitch mounting	
17	195435	2	GASKET, cover	
18	189241	2	COVER	
	920473	12	CAPSCREW, 3/8" NC x 3/4" (nylok)	
	904206	12	LOCKWASHER, 3/8" (FIRST TYPE)	
19	105235	3	PLUG, pipe, magnetic, 1" NPT	
	901652	2	PLUG, pipe, sq. hd., 1/4"	
20	187809	2	COVER, transmission access	
	916311	8	CAPSCREW, 1/2" NC x 1-1/4"	
	904208	8	LOCKWASHER, 1/2"	
21	179176	1	COVER	
	916272	12	CAPSCREW, 3/8" NC x 1-1/4"	
	918226	12	LOCKWASHER, dome, 3/8"	
22	192930	2	CABLE	
23	188662	4	CLIP, cable	
24	------	1	PLATE, voltage regulator instruction (discontinued) (applied to under side of L.H. battery box cover)	
25	-------	2	EMBLEM, "KON-TORK" (See PAINTING AND MARKING)	
26	189351	1	PLATE, serial	
	921896	2	SCREW, drive, #7 x 1/4"	



GEAR CASE AND FRAME (SECOND TYPE)

GEAR CASE AND FRAME (SECOND TYPE)

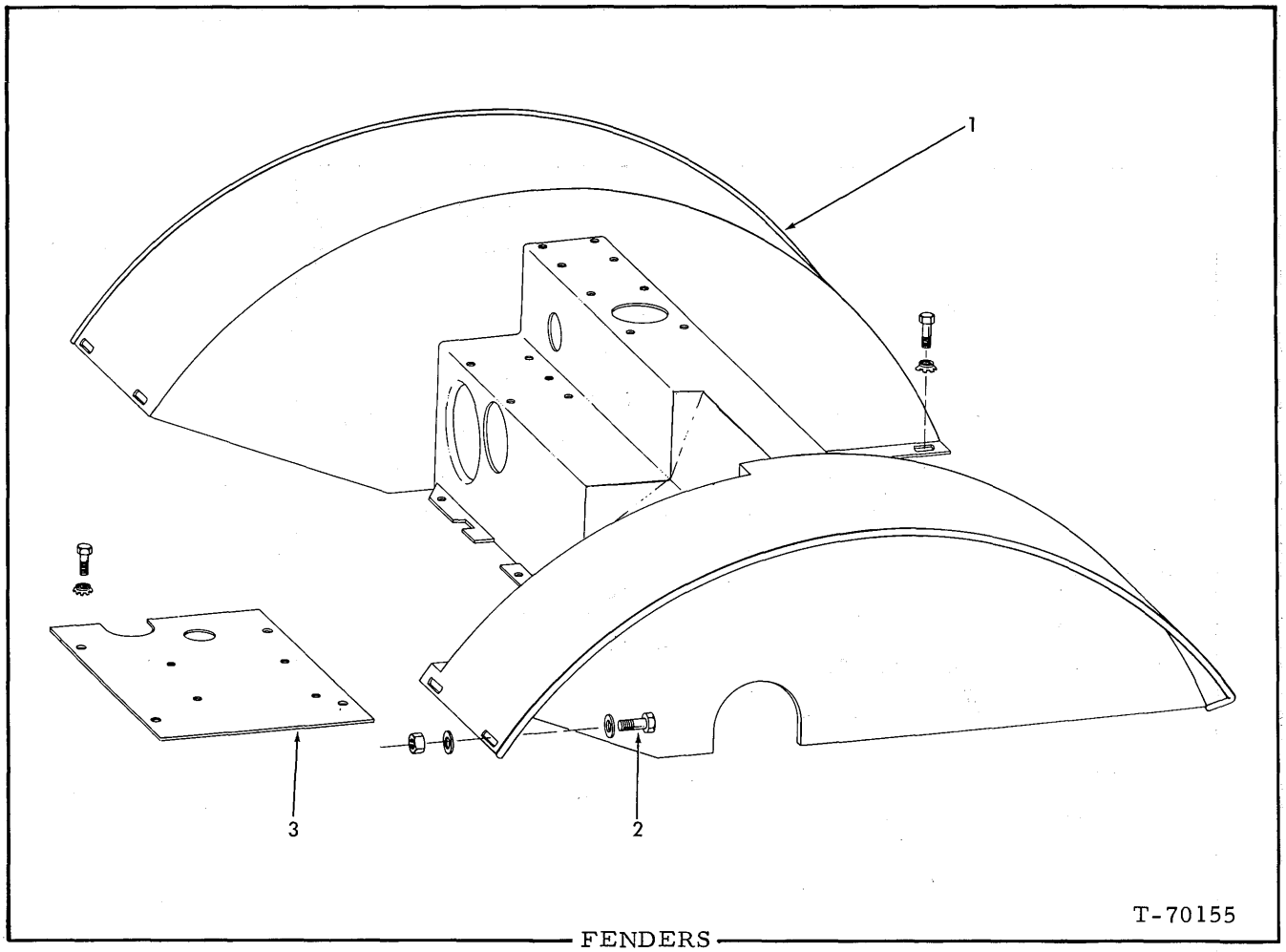
ITEM	PART NO.	QTY.	DESCRIPTION
1	195595	1	FRAME ASSY. (welded) (used prior to tractor serial no. 6966)
	195594	1	FRAME ASSY. (welded) (effective tractor serial no. 6966 thru 7217)
	196734	1	FRAME ASSY. (welded) (effective tractor serial no. 7218 thru 7225 with 19000 engine)
	197559	1	FRAME ASSY. (welded) (effective tractor serial no. 7226 and up, with 19000 Mark II engines)
			NOTE: The above four FRAME ASSEMBLIES, include pipe PLUG indented below and items 2, 3, 8, 9, 11, 12 and 13)
	901655	1	PLUG, pipe, sq. hd., 3/4" (underside of fuel tank)
	917279	4	CAPSCREW, cd. pltd., 1/2" NC x 1-1/4" (Battery Covers)
	910244	4	WASHER, S.A.E. plain, 1/2" (Battery Covers)
	196296	4	NUT (welded to frame)
2	185512	1	SUPPORT, brake rotochamber, L.H.
3	185511	1	SUPPORT, brake rotochamber, R.H.
4	182189	1	GASKET, differential cover
5	193375	1	COVER, differential
	920473	20	CAPSCREW, nylok, 3/8" NC x 3/4"
6	181976	2	BREATHER (restricted, 1/2" NPT)
7	193374	1	DIPSTICK ASSY., includes PLUG
8	195466	1	CAP ASSY., filler (includes GASKET and CHAIN)
9	182755	1	STRAINER
10	158692	2	CAP, breather
11		1	BLOCK KIT, rear hitch mounting
12	195435	2	GASKET, cover
13	189241	2	COVER
	920473	12	CAPSCREW, nylok, 3/8" NC x 3/4"
	904206	12	LOCKWASHER, 3/8" (FIRST TYPE)
14	105235	3	PLUG, pipe, magnetic, 1" NPT
	901652	2	PLUG, pipe, sq. hd., 1/4"
15	187809	2	COVER, transmission access
	916311	8	CAPSCREW, 1/2" NC x 1-1/4"
	904208	8	LOCKWASHER, 1/2"
16	179176	1	COVER
	916272	12	CAPSCREW, 3/8" NC x 1-1/4"
	918226	12	LOCKWASHER, dome, 3/8"
17	192930	2	CABLE
18	188662	4	CLIP, cable
19	------	1	PLATE, voltage regulator instruction (discontinued) (applied to underside of L.H. battery box cover)
20	------	2	EMBLEM, "Kon-Tork" (See PAINTING and MARKING)
21	189351	1	PLATE, serial
	921896	2	SCREW, drive, #7 x 1/4"



T-38021-A

GRILLE AND HOOD

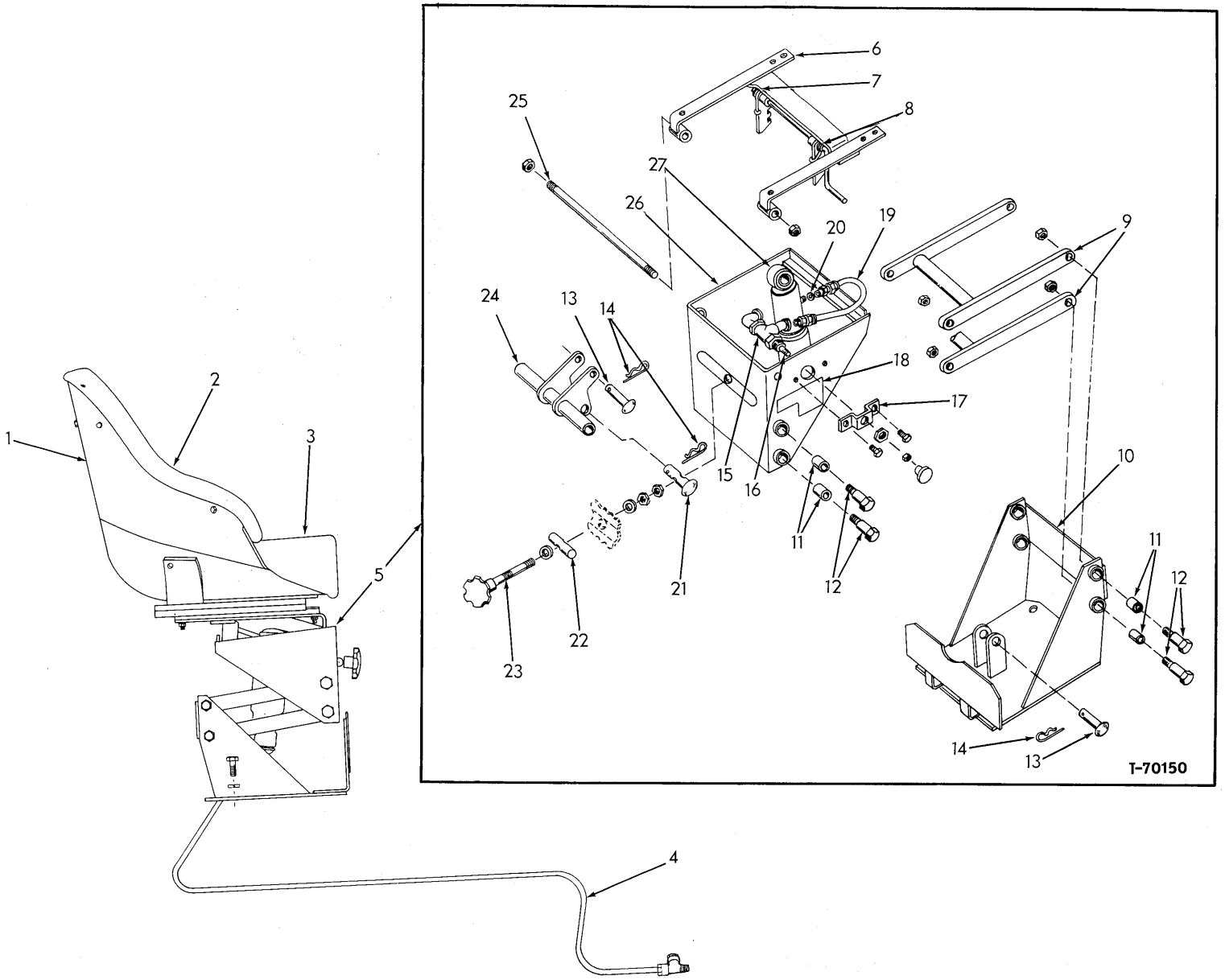
ITEM	PART NO.	QTY.	DESCRIPTION
1	187835	1	GRILLE ASSY. (includes item 4) (Standard Equipment)
	195422	1	GRILLE ASSY. (includes item 4) (Special Equipment)
	908304	5	CAPSCREW, cd. pltd., 1/2" NC x 1"
	918227	5	LOCKWASHER, dome, ext. tooth, 1/2"
2	------	2	EMBLEM, "A-C" (See PAINTING and MARKING)
3	------	1	EMBLEM, "Allis-Chalmers" (See PAINTING and MARKING)
4	196152	1	HOOD, grille (fiberglass) (Standard Equipment)
	195417	1	HOOD, grille (metal) (Special Equipment)
	918249	4	SCREW, mach., 5/16" NC x 3/4"
	903626	2	CAPSCREW, 5/16" NC x 3/4"
	903764	4	SCREW, mach., 5/16" NC x 1-1/2"
	917356	10	LOCKWASHER, pltd., 5/16"
	911986	10	WASHER, plain, 5/16"
	917372	10	NUT, cd. pltd., 5/16" NC
5	------	1	EMBLEM, "Allis-Chalmers" (See PAINTING and MARKING)
6	187794	1	HOOD ASSY. (welded) (used prior to tractor serial no. 6816)
	196142	1	HOOD ASSY. (welded) (effective tractor serial no. 6818 and up)
	918226	4	LOCKWASHER, dome, ext. tooth, 3/8"
	916950	4	NUT, cd. pltd., 3/8" NC
7	------	1	TRANSFER, air cleaner (See PAINTING and MARKING)



FENDERS

USAGE: Tractor Model T260E

ITEM	PART NO.	QTY.	DESCRIPTION
1	194261	1	FENDER ASSY. (includes Support) (welded)
	908304	6	CAPSCREW, cd. pltd., 1/2" NC x 1"
	918227	6	LOCKWASHER, dome, ext. tooth, 1/2"
2	908127	4	CAPSCREW, cd. pltd., 3/8" NC x 3/4"
	900817	8	WASHER, plain, 3/8"
	915891	4	NUT, elastic stop, 3/8" NC
3	194244	1	PLATE ASSY., floor (welded)
	908127	5	CAPSCREW, cd. pltd., 3/8" NC x 3/4"
	918226	5	LOCKWASHER, dome, ext. tooth, 3/8"



T-70142

SEAT ASSEMBLY

SEAT ASSEMBLY

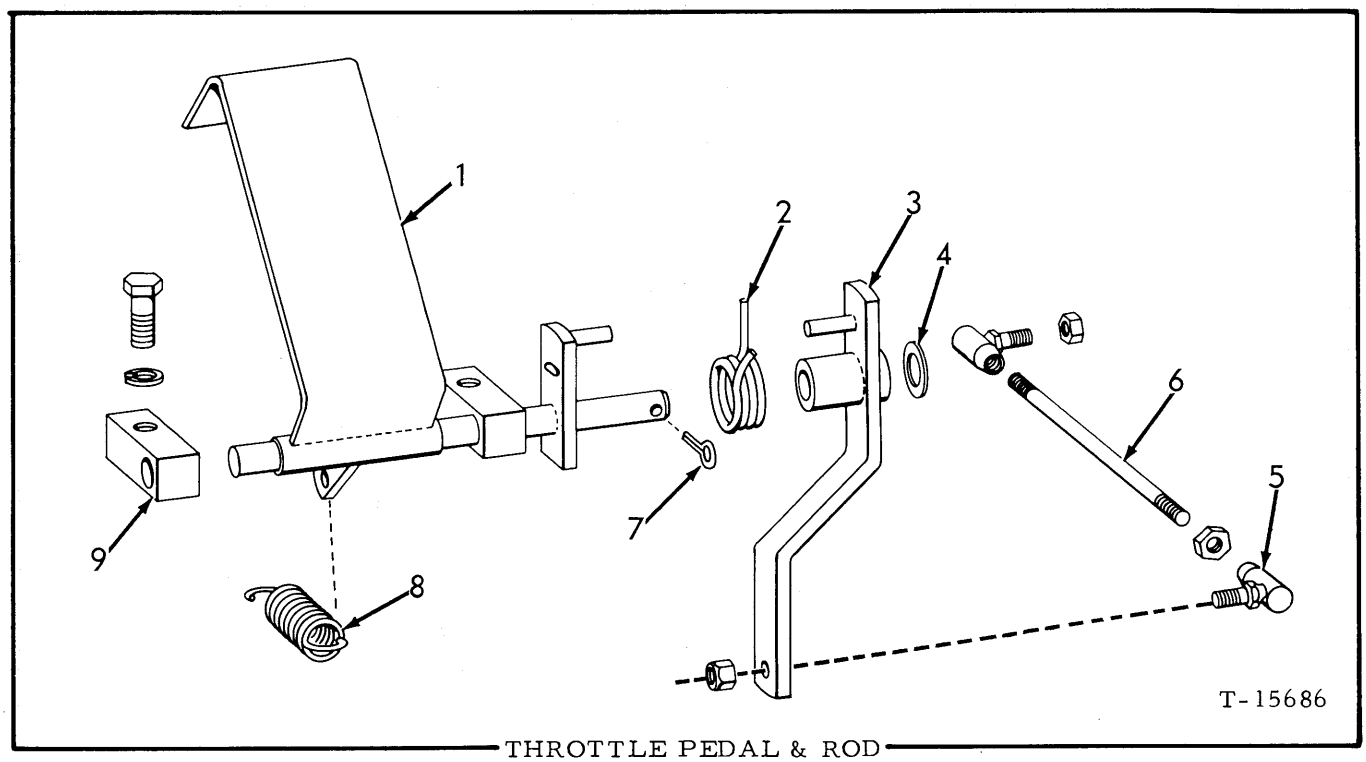
USAGE: Tractor Model T260E

ITEM	PART NO.	QTY.	DESCRIPTION
1	195384	1	SEAT ASSY. (includes items 2 and 3 only)
	904205	4	LOCKWASHER, 5/16"
	910233	4	NUT, 5/16" NF
2	182718	1	CUSHION ASSY., back (used prior to tractor serial no. 7316)
	197248	1	CUSHION ASSY., back (effective tractor serial no. 7316 and up)
	918228	5	CAPSCREW, cd. pltd., 3/8" NC x 5/8"
	916956	5	WASHER, pltd., 13/32"
3	195412	1	CUSHION ASSY., seat (used prior to tractor serial no. 7316)
	197247	1	CUSHION ASSY., seat (effective tractor serial no. 7316 and up)
	918228	2	CAPSCREW, cd. pltd., 3/8" NC x 5/8"
	916956	2	WASHER, pltd., 13/32"
4	------	1	TUBE, nylon, 3/8" O.D. x 63" (order item 28)
	924072	1	TEE, service, 3/8" tube, 3/8" PT (includes NUT) (At Air Manifold)
	912403	1	CONNECTOR, male, 3/8" tube, 1/4" PT (includes NUTS) (At Seat)
	912340	3	NUT, 3/8" tube
5	195385	1	SUSPENSION ASSY., seat (includes items 6 thru 27)
	921210	2	CAPSCREW, cd. pltd., 3/8" NC x 1"
	916965	2	LOCKWASHER, pltd., 3/8"
6	195399	1	ADJUSTMENT ASSY., tilt
7	195400	1	SPRING, torsion, R.H.
8	195401	1	SPRING, torsion, L.H.
9	195402	2	ARM ASSY.
10	195388	1	BASE ASSY.
11	195389	8	BEARING
12	195390	8	BOLT, shoulder
	913177	8	NUT, jam, 1/2" NF
13	195387	2	PIN, shock (used prior to tractor serial no. 6400)
	195935	2	SHAFT } Effective tractor serial no. 6400
	195672	4	E-RING }
14	195386	3	PIN, hair (used prior to tractor serial no. 6400)
15	195425	1	CONTROL ASSY., air (includes items 16 thru 20)
	------	1	ELBOW, 45° } Not serviced - order
	------	1	ELBOW, 90° } Complete Control Assy.
16	------	1	VALVE
	------	1	NUT, panel
	------	1	NUT, lock
	------	1	KNOB } Not serviced - order item 15
17	------	1	BRACKET
	------	2	SCREW, tapping

(Continued)

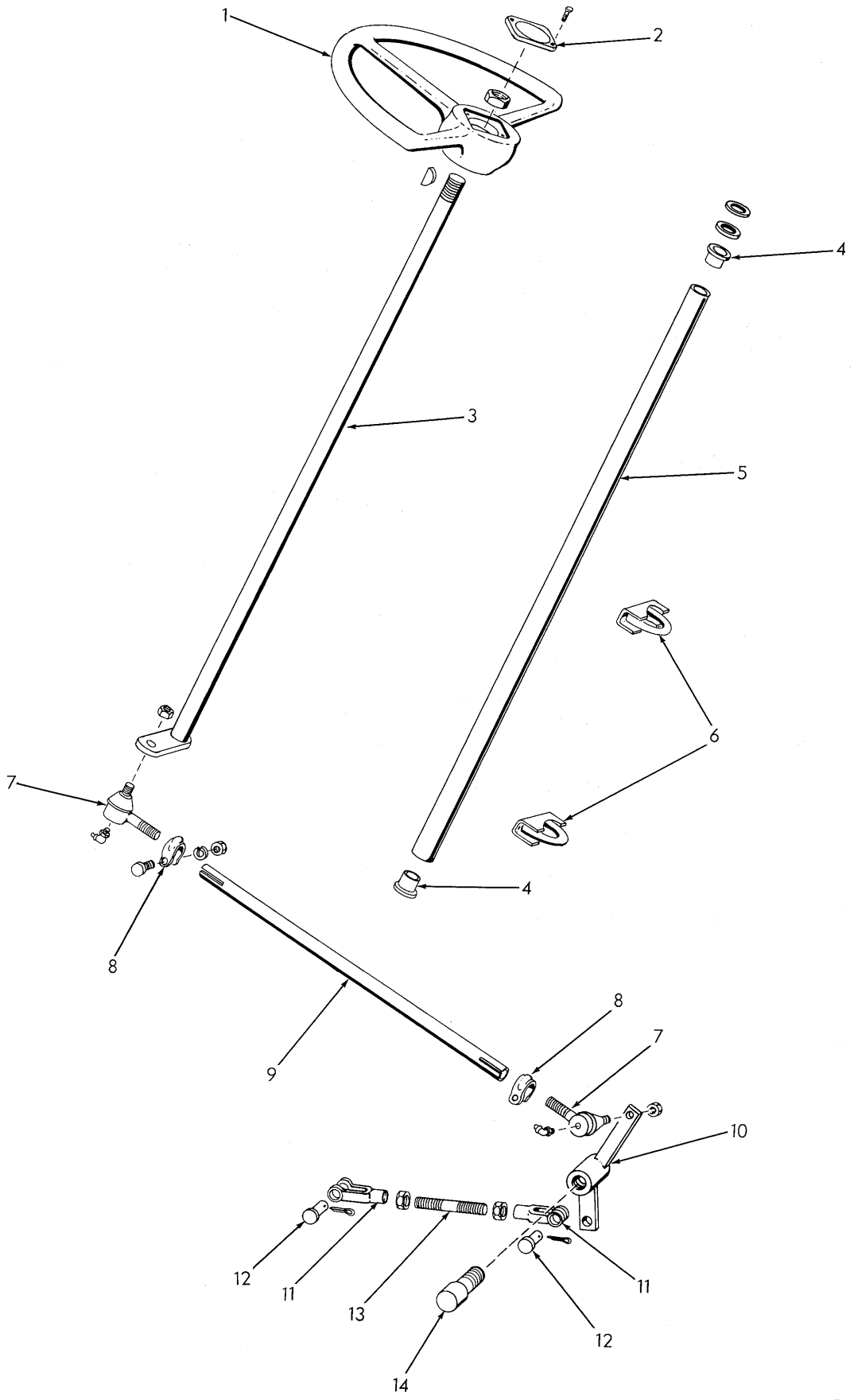
SEAT ASSEMBLY (Cont.)

ITEM	PART NO.	QTY.	DESCRIPTION
18	------	1	DECAL (not serviced - order item 15)
19	195403	1	HOSE ASSY.
20	------	1	GASKET (not serviced - order item 15)
21	195393	1	PIN, pivot (used prior to tractor serial no. 6400)
	195936	1	PIN, pivot } Effective tractor serial no. 6400 and up
	195671	2	E-RING }
22	195394	1	SHAFT, pivot
23	195395	1	SCREW, adjustment
	912007	2	WASHER, plain, 17/32" I. D. x 7/8" O. D.
	910510	2	NUT, jam, 1/2" NC
24	195396	1	ADJUSTMENT ASSY., vertical
25	195397	1	SHAFT
	913177	2	NUT
26	195392	1	SUPPORT ASSY., upper
27	195398	1	SHOCK ABSORBER, air
28	192929	-	TUBING, nylon, 3/8" O. D. x 25 ft. long (use as required)



THROTTLE PEDAL & ROD

ITEM	PART NUMBER	QTY.	DESCRIPTION
1	179236	1	PEDAL, throttle
	907731	1	CAPSCREW, cd. pltd., 3/8" NC x 1"
	916965	1	LOCKWASHER, cd. pltd., 1/2"
2	193849	1	SPRING, torsion
3	179237	1	ARM, throttle
4	912333	1	WASHER, plain, 15/32" x 15/16"
5	181213	2	JOINT, ball and socket, cd. pltd.
	916590	2	NUT, elastic stop, 1/4" NF
6	180846	1	ROD
	906916	1	NUT, jam, 1/4" NF
7	900805	1	PIN, cotter, 1/8" x 3/4"
8	166891	1	SPRING
9	178780	1	BLOCK, mounting
	907731	1	CAPSCREW, cd. pltd., 3/8" NC x 1"
	916965	1	LOCKWASHER, cd. pltd., 1/2"



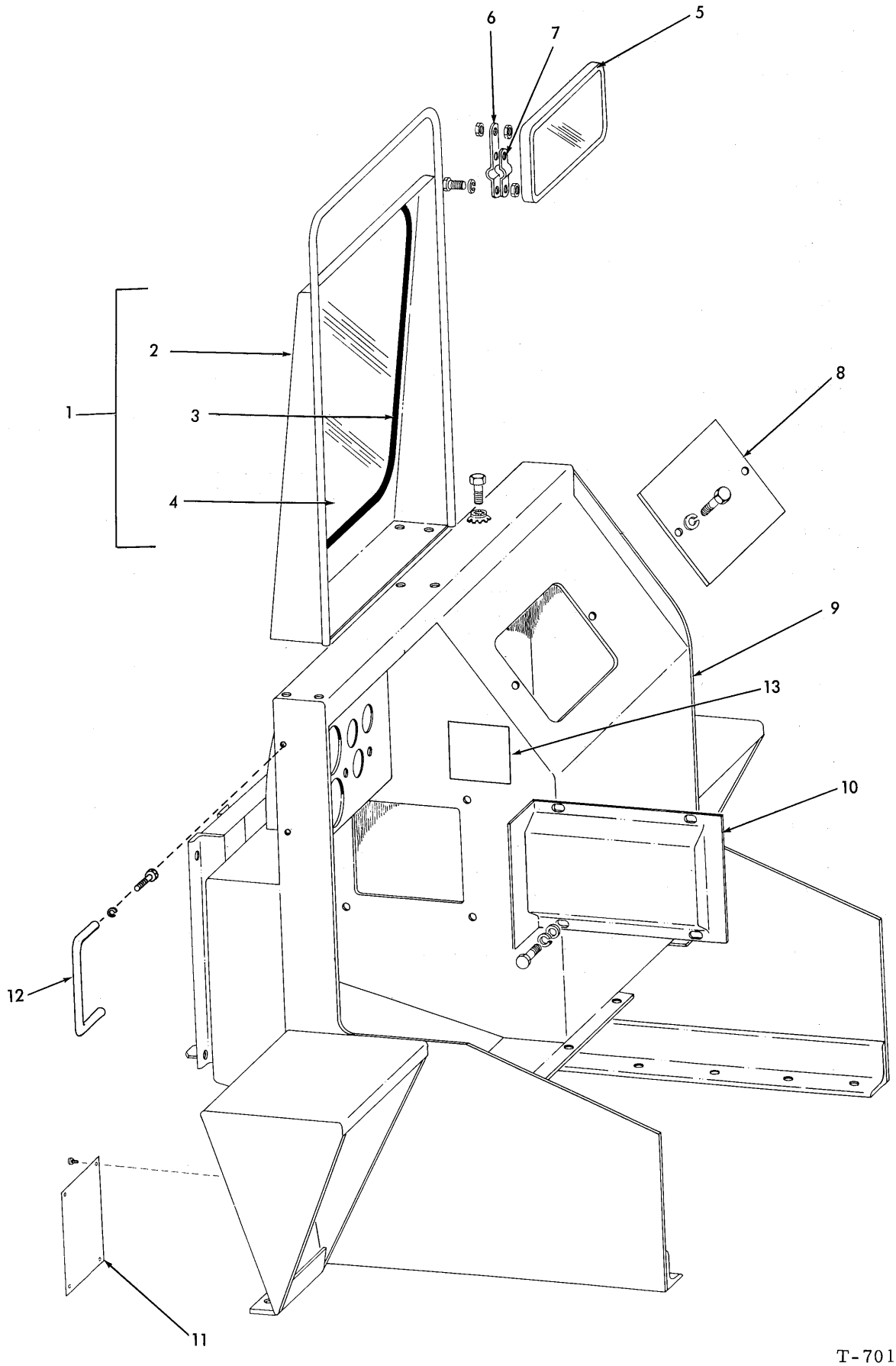
T-70152

STEERING WHEEL AND LINKAGE

STEERING WHEEL AND LINKAGE

USAGE: Tractor Model T260E

ITEM	PART NO.	QTY.	DESCRIPTION
1	193827	1	WHEEL, steering
	905123	1	KEY, woodruff, 3/16" x 3/4"
2	246724	1	EMBLEM, "A-C"
	923891	2	SCREW, self-tapping, #8 x 5/8"
3	194056	1	SHAFT ASSY., steering (welded)
	3006584	1	NUT
4	178031	2	BUSHING, flanged
5	178279	1	TUBE, steering shaft
	910889	1	WASHER, 16 ga. } Use as required
	915978	1	WASHER, 22 ga. }
6	178106	2	CLAMP ASSY. (includes U-Bolts, Nuts, and Lockwashers)
7	176763	1	ROD END, tie, L.H. thd. (includes NUT)
	176762	1	ROD END, tie, R.H. thd. (includes NUT)
	915019	2	FITTING, lube, 90°, 1/4" taper thd.
	900806	2	PIN, cotter, 1/8" x 1"
8	177196	2	CLAMP, rod
	916393	2	CAPSCREW, 5/16" NF x 1-1/2"
	904205	2	LOCKWASHER, 5/16"
	910233	2	NUT, 5/16" NF
9	192832	1	ROD, tie
10	185728	1	BELLCRANK ASSY. (welded)
11	196063	2	YOKE, clevis
12	098813	2	PIN, clevis
	900805	2	PIN, cotter, 1/8" x 3/4"
13	192851	1	ROD, steering valve connection
	910345	2	NUT, 5/8" NF
14	185513	1	PIN, bellcrank pivot (welded to Gear Case and Engine Frame)
	915276	1	FITTING, lube, 90°, 1/8" NPT

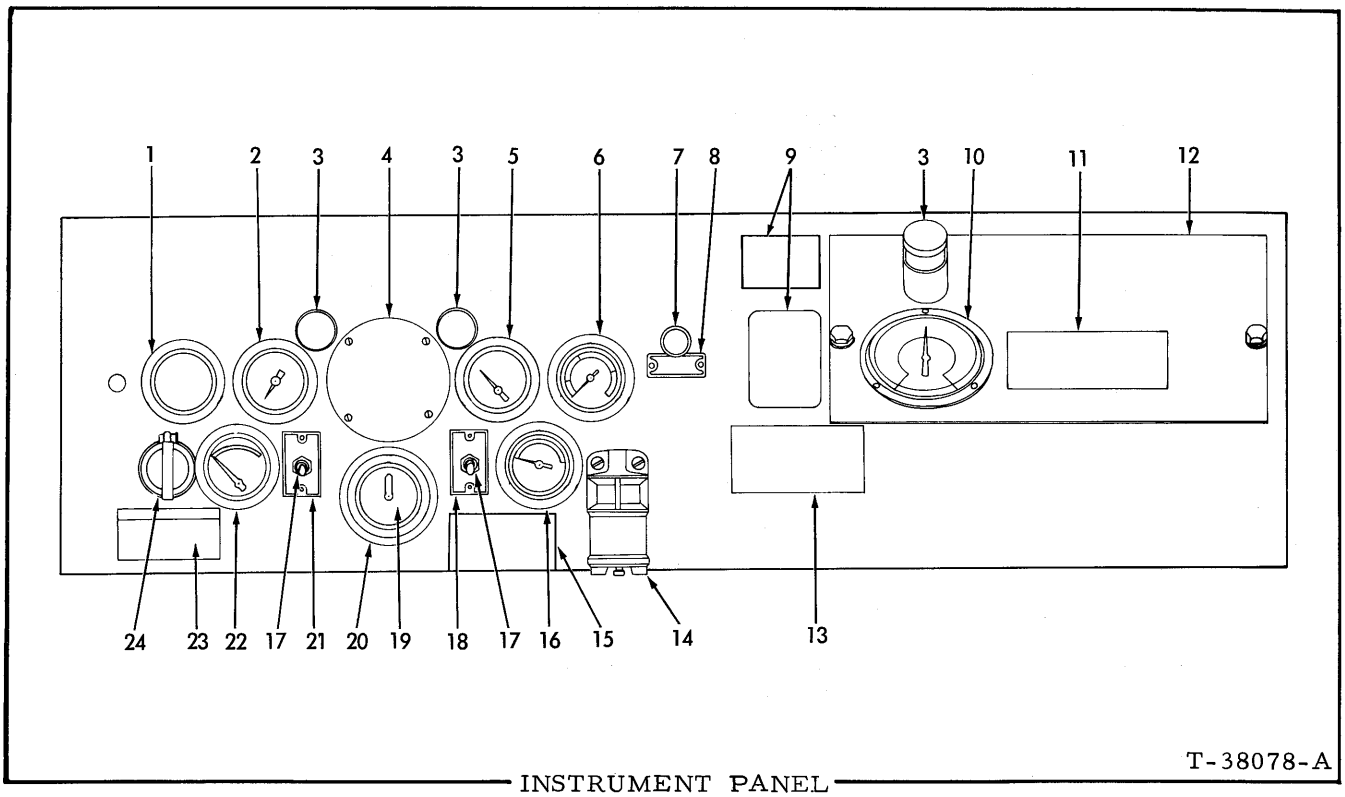


T-70162

OPERATOR'S COMPARTMENT

OPERATOR COMPARTMENT

ITEM	PART NO.	QTY.	DESCRIPTION
1	181834	1	WINDSHIELD GROUP (includes items 2 thru 4) (used prior to tractor serial no. 7095)
	196674	1	WINDSHIELD GROUP (includes items 2 thru 4) (effective tractor serial no. 7095 and up)
2	------	1	FRAME, windshield (not serviced - order item 1)
	907731	4	CAPSCREW, cd. pltd., 3/8" NC x 1"
	918226	4	LOCKWASHER, dome, ext. tooth, 3/8"
3	179337	1	WEATHERSTRIP, windshield
4	179336	1	GLASS, windshield (obtain locally)
5	181845	1	MIRROR ASSY. (includes items 6 and 7)
6	182091	2	CLAMP, long
	910880	4	NUT, 1/4" NF
7	182092	2	CLAMP, short
	916400	4	CAPSCREW, 1/4" NF x 3/4"
	906958	4	LOCKWASHER, int. tooth, 1/4"
	910337	4	NUT, 1/4" NF
8	189148	1	PLATE, cover
	908127	2	CAPSCREW, cd. pltd., 3/8" NC x 3/4"
	916965	2	LOCKWASHER, pltd., 3/8"
9	194228	1	COMPARTMENT ASSY., operator (welded) (for use with 19000 engine only)
	197501	1	COMPARTMENT ASSY., operator (welded) (effective with 19000 Mark II engine only)
	188051	1	COVER (clutch lever opening - welded to compartment) (not illustrated)
	917404	2	CAPSCREW, cd. pltd., 1/2" NC x 1-1/2"
	908304	2	CAPSCREW, cd. pltd., 1/2" NC x 1"
	917279	1	CAPSCREW, cd. pltd., 1/2" NC x 1-1/4"
	916966	2	LOCKWASHER, pltd., 1/2"
	918227	4	LOCKWASHER, dome, ext. tooth, 1/2"
	910210	1	LOCKWASHER, ext. tooth, 1/2"
	916951	3	NUT, cd. pltd., 1/2" NC
10	188688	1	COVER, intake manifold access
	908127	4	CAPSCREW, cd. pltd., 3/8" NC x 3/4"
	916965	4	LOCKWASHER, cd. pltd., 1/2"
	916956	4	WASHER, plain, pltd., 13/32"
11	------	1	TRANSFER, lube and service (See PAINTING and MARKING)
12	195437	1	HANDLE, grab } Used prior to
	903626	2	CAPSCREW, 5/16" NC x 3/4" } tractor serial
	904206	2	LOCKWASHER, 3/8" } no. 6818
13	------	1	TRANSFER, air reservoir drain/engine start (See PAINTING and MARKING)



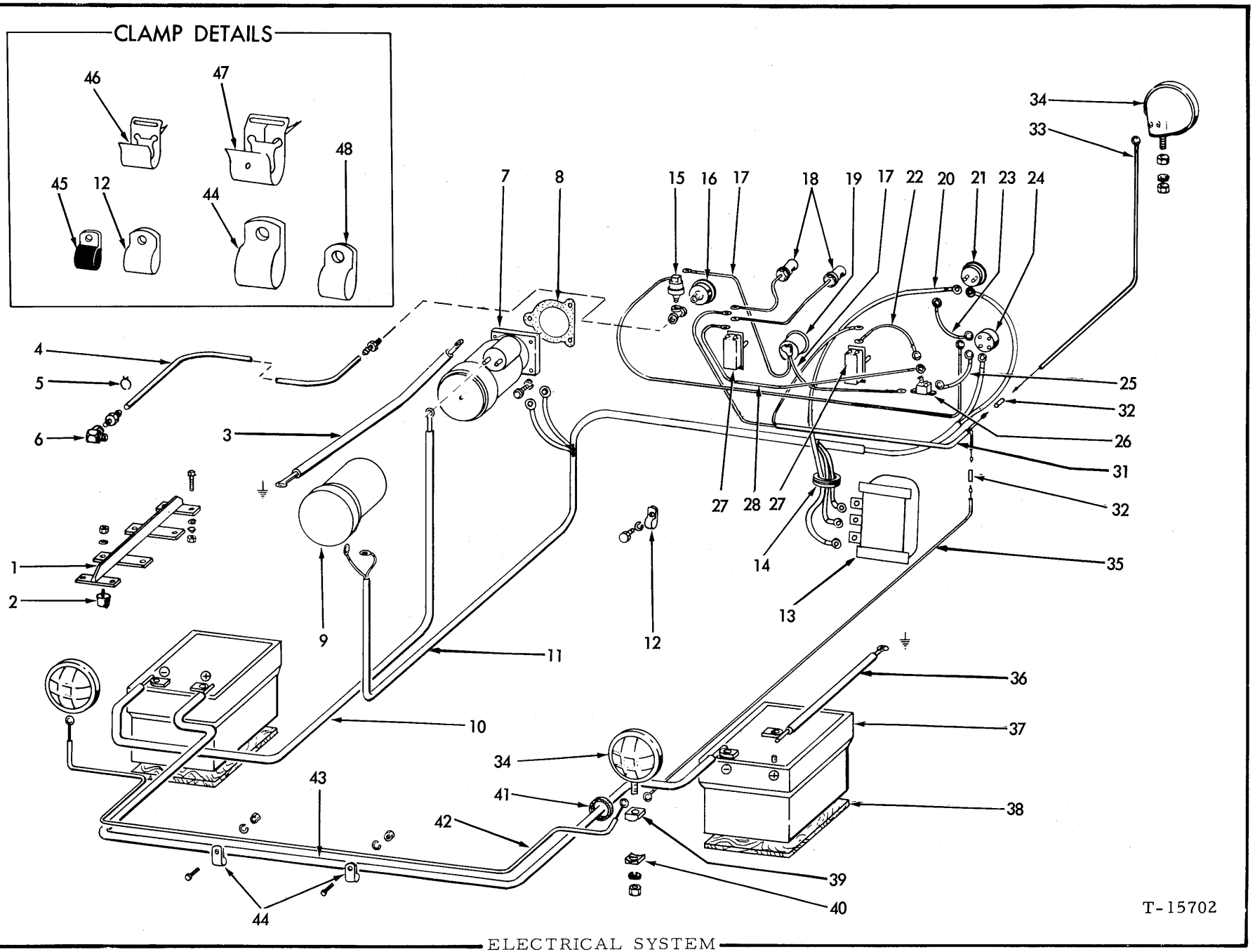
INSTRUMENT PANEL

* - Used prior to tractor serial no. 7231
** - Effective tractor serial no. 7231 and up

ITEM	PART NO.	QUANTITY *	QUANTITY **	DESCRIPTION
1	193578	1	-	AMMETER
	658348	-	1	AMMETER
2	193577	1	-	GAUGE, air pressure
	3048635	-	1	GAUGE, air pressure
3	------	3	3	LAMP ASSY., dash (See page 191)
4	192028	1	1	COVER, tachometer opening
	917479	4	4	NUT, #6
	904953	4	4	SCREW, machine, #6 x 1/2"
	194383	1	-	TACHOMETER (Special Equipment)
	197047	-	1	TACHOMETER (Special Equipment)
5	193469	1	-	GAUGE, oil pressure
	658293	-	1	GAUGE, oil pressure
6	193468	1	-	GAUGE, water temperature (includes Line and Bulb - serviced only as a unit)
	658620	-	1	GAUGE, water temperature (includes Line and Bulb - serviced only as a unit)
7	167288	1	1	CONTROL, fuel cut-off (includes Jam Nut and Cable)
8	188050	1	-	PLATE, engine stop
	918643	2	-	RIVET, drive, 1/8" x 7/16"
	------	-	1	TRANSFER, engine stop (See PAINTING and MARKING)

(Continued)

ITEM	PART NO.	QUANTITY *	QUANTITY **	DESCRIPTION
9	------	1	1	TRANSFER, instruction, scraper valve levers (See PAINTING and MARKING)
	------	1	1	TRANSFER, caution, "elevator motor" (See PAINTING and MARKING)
10	195109	1	1	GAUGE, shift speed indicator (prior to tractor serial no. 7394)
	197046	-	1	GAUGE, shift speed indicator (effective tractor serial no. 7394)
	178144	3	3	NUT, snap-in
	904953	3	3	SCREW, machine, #6 x 1/2"
11	------	1	1	TRANSFER, caution (See PAINTING and MARKING)
12	------	1	1	PLATE, cover (See OPERATOR COMPARTMENT)
13	------	1	1	TRANSFER, transmission check (See PAINTING and MARKING)
14	187540	1	1	INDICATOR, filter service (See AIR CLEANER)
15	191166	1	-	PLATE, warning
16	193471	1	-	GAUGE, converter temperature (includes Line and Bulb - serviced only as a unit) (prior to tractor serial no. 6529)
	196057	1	-	GAUGE, converter temperature (includes Line and Bulb - serviced only as a unit) (effective tractor serial no. 6529 thru 7230)
	197037	-	1	GAUGE, converter temperature (includes Line and Bulb - serviced only as a unit)
17	164784	2	2	SWITCH, headlight (or Special Equipment bowl light)
18	173102	1	-	PLATE, headlight switch } Used prior to tractor
	918643	2	-	RIVET, drive, 1/8" x 7/16" } serial no. 7068
	197458	-	1	PLATE, headlight switch (Self-adhesive) (effective tractor serial no. 7068 and up)
19	184687	1	-	METER, engine hour (used prior to tractor serial no. 6776)
	649725	1	1	METER, engine hour (effective tractor serial no. 6776 and up)
				NOTE: Meter carries manufacturer's warranty and in case of failure should be returned direct to John W. Hobbs Corporation, Springfield, Illinois, for repairs.
20	179848	1	1	DAMPER, vibration
	904953	6	6	SCREW, machine, #6 NC x 1/2"
21	173103	1	-	PLATE, bowl light switch } Special
	918643	2	-	RIVET, drive, 1/8" x 7/32" } Equipment
	------	-	1	TRANSFER, bowl light switch (See PAINTING and MARKING) } Equipment
22	193470	1	-	GAUGE, clutch pressure (used prior to tractor serial no. 6985)
	197038	1	1	GAUGE, clutch pressure (effective tractor serial no. 6985 and up)
23	------	1	1	TRANSFER, altitude warning (FIRST TYPE - replace with item 13)
24	178187	1	1	SWITCH, master (includes two Keys)
	------	1	1	KEY (obtain locally)


CLAMP DETAILS
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T-15702

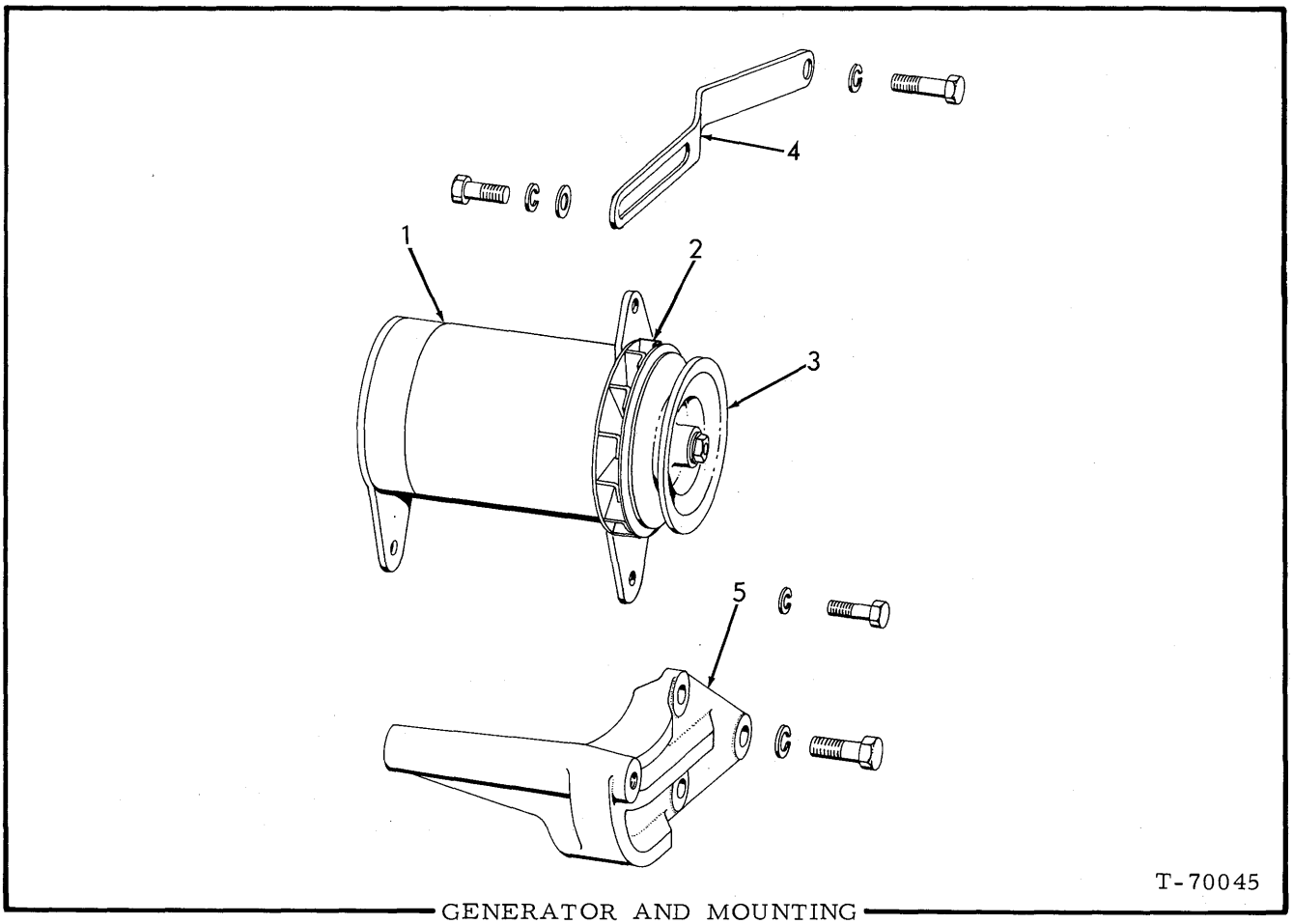
ITEM	PART NO.	QTY.	DESCRIPTION
1	178019	2	RETAINER, battery
	917401	8	CAPSCREW, cd. pltd., 3/8" NC x 1-5/8"
	900817	16	WASHER, plain, U.S. std., 3/8"
	918226	8	LOCKWASHER, dome, ext. tooth, 3/8"
	916950	8	NUT, cd. pltd., 3/8" NC
2	173287	8	BUMPER
	904205	8	LOCKWASHER, 5/16"
	910233	8	NUT, 5/16" NC
3	178192	1	CABLE ASSY., ground
4	------	1	HOSE, 1/4" I.D x 66-1/4" (order item 49)
	920800	1	FITTING, male, socketless, 1/4" I.D. hose, 1/8" PT
	920801	1	FITTING, male, socketless, 1/4" I.D. hose, 1/4" PT
5	179966	2	CLAMP, hose
6	175770	1	UNION, adapter, male, 90°, 1/4" NPTF
7	4387529	1	MOTOR ASSY., starting, 24 V. (includes Solenoid) (Delco-Remy #1113898 - Order parts from local United Motors Service Dealer)
	922987	3	CAPSCREW, 5/8" NC
	904209	3	LOCKWASHER, 5/8"
8	4379633	1	☐ GASKET, starting motor
9	------	1	GENERATOR (See GENERATOR & MOUNTING)
10	181430	1	CABLE ASSY.
11	195383	1	WIRE ASSY.
12	169535	3	CLAMP, wire (3/4" diam., 9/32" bolt hole)
	917388	3	SCREW, mach., cd. pltd., #10 NC x 3/4"
	917365	3	LOCKWASHER, pltd, #10
	916621	3	NUT, pltd., #10 NC
13	184376	1	REGULATOR, voltage (Delco-Remy #1119670 - Order parts from local United Motors Service Dealer)
	907729	4	CAPSCREW, cd. pltd., 5/16" NC x 1-1/4"
	917356	4	LOCKWASHER, pltd., 5/16"
	917372	4	NUT, cd. pltd., 5/16"NC
14	180554	1	GROMMET
15	171604	1	SWITCH, pressure (includes WIRE) (used prior to tractor serial no. 7394)
	197025	1	SWITCH, pressure (includes WIRE) (effective tractor serial no. 7394 and up)
	901702	1	TEE, pipe, 1/8"
16	------	1	GAUGE, pressure (See INSTRUMENT PANEL)
17	184688	2	WIRE ASSY., hour meter
	900602	1	SCREW, mach., #6 x 3/8"
18	------	2	LIGHT ASSY. (See DASH LIGHT)
19	------	1	METER, hour (See INSTRUMENT PANEL)
20	178202	1	WIRE ASSY. (used prior to tractor serial no. 6910)
	195089	1	WIRE ASSY. (effective tractor serial no. 6910)

(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
21	------	1	AMMETER (See INSTRUMENT PANEL)
22	178441	1	WIRE ASSY. (used prior to tractor serial no. 6910)
	188817	1	WIRE ASSY (Special Equipment for use with Bowl Light)
23	195087	1	WIRE ASSY.
24	------	1	SWITCH, master (See INSTRUMENT PANEL)
25	166400	1	WIRE ASSY. (used prior to tractor serial no. 6910)
	188841	1	WIRE ASSY. (effective tractor serial no. 6910)
26	161824	1	CIRCUIT BREAKER, 15 amp
	178144	2	NUT, self-retaining
	916530	2	SCREW, mach., #6NC x 1"
27	------	2	SWITCH, light (See INSTRUMENT PANEL)
28	178201	1	WIRE ASSY. (used prior to tractor serial no. 6910)
	188821	1	WIRE ASSY. (effective tractor serial no. 6910)
29	------		NOT USED
30	------		
31	179139	1	WIRE ASSY. (2 wire) (used prior to tractor serial no. 6910)
	195380	1	WIRE ASSY (1 wire) (effective tractor serial no. 6910) (Qty. 2 used with Special Equipment - Bowl Light)
32	048142	2	CONNECTOR, two-wire (used prior to tractor serial no. 6910)
	189373	1	SLEEVE (effective tractor serial no. 6910) (Qty. 2 used with Special Equipment - Bowl Light)
33	179142	1	WIRE ASSY. (used prior to tractor serial no. 6910)
	195381	1	WIRE ASSY. } Special Equipment for use with Bowl Light
	196114	4	STRAP, tie }
34	------	3	LAMP ASSY. (See LIGHT ASSEMBLIES)
	918239	3	LOCKWASHER, dome, ext. tooth, 5/8"
	918241	3	NUT, cd. pltd., 5/8" NF
35	195382	1	WIRE ASSY.
36	179133	1	CABLE ASSY.
37	------	2	BATTERY (Exide Hycap 8D No. 1145 or Autolite No. 8T-200 - obtain locally)
38	178208	2	TRAY (plywood, 1/2" x 10" x 19-1/4")

(Continued)

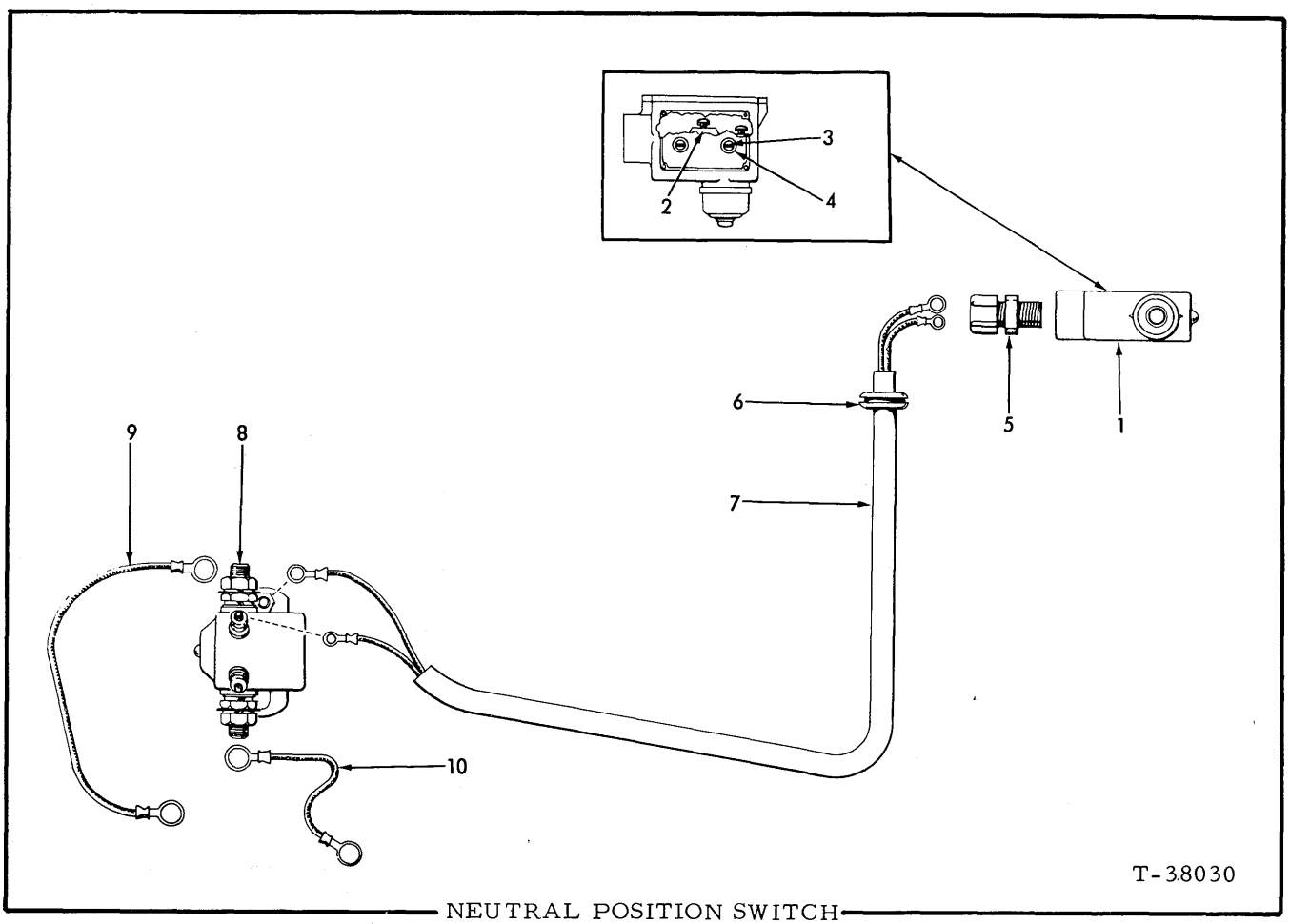
ITEM	PART NO.	QTY.	DESCRIPTION
39	178017	2	WASHER, light mounting
40	178016	2	WASHER, light mounting
41	178189	2	GROMMET
42	179138	1	WIRE ASSY.
43	180848	1	CABLE ASSY.
44	169506	2	CLAMP, cable (7/8" diam., 1/2" bolt hole)
	915408	2	CAPSCREW, 3/8" NF x 5/8" (welded to gear case)
	918226	2	LOCKWASHER, dome, ext. tooth, 3/8"
	916950	2	NUT, cd. pltd., 3/8" NF
45	641566	1	CLIP
	178225	1	CLAMP, cable (at Generator)
46	179141	7	FASTENER, wire (3/8" diam.)
47	178191	2	FASTENER, wire (17/32" diam.) (prior to tractor serial no. 6836)
	171317	2	CLAMP } Effective tractor
	921179	2	SCREW, self tapping, 5/16" x 3/4" } serial no. 6836
48	167450	1	CLAMP
49	920720	-	HOSE, low pressure, 1/4" I. D. x 25 ft. long (use as required)



GENERATOR AND MOUNTING

For GENERATOR BELT, see WATER PUMP

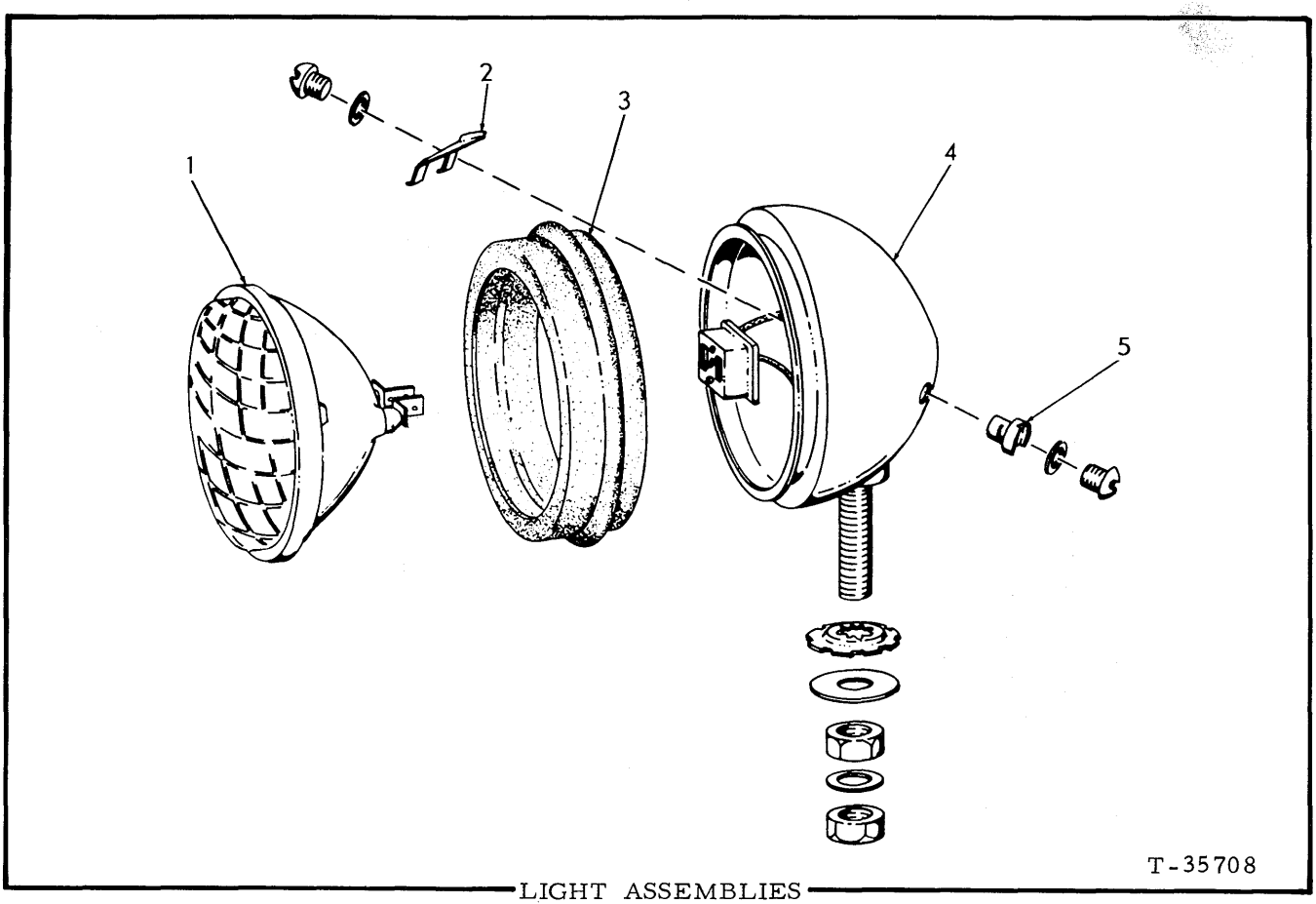
ITEM	PART NO.	QTY.	DESCRIPTION
1	4347982	1	GENERATOR, 24 V. (includes retaining Nut and Washer) (Delco-Remy No. 1105988 - Order parts from United Motors service dealer)
	916197	2	CAPSCREW, 7/16" NC x 1-1/4"
	904207	2	LOCKWASHER, 7/16"
2	4374148	1	FAN (includes Baffle, serviced only as a unit)
3	4347998	1	PULLEY, generator
4	4388074	1	BRACE, generator adjusting
	916271	1	CAPSCREW, 3/8" NC x 1"
	4379572	1	WASHER, plain
	904206	1	LOCKWASHER, 3/8"
	918683	1	CAPSCREW, 1/2" NC x 1-1/8"
	904208	1	LOCKWASHER, 1/2"
5	4388073	1	BRACKET, generator
	901652	1	PLUG, pipe, sq. hd., 1/4"
	915987	3	CAPSCREW, 1/2" NC x 1-1/2"
	904208	3	LOCKWASHER, 1/2"



NEUTRAL POSITION SWITCH

USAGE: Power Shift Tractors

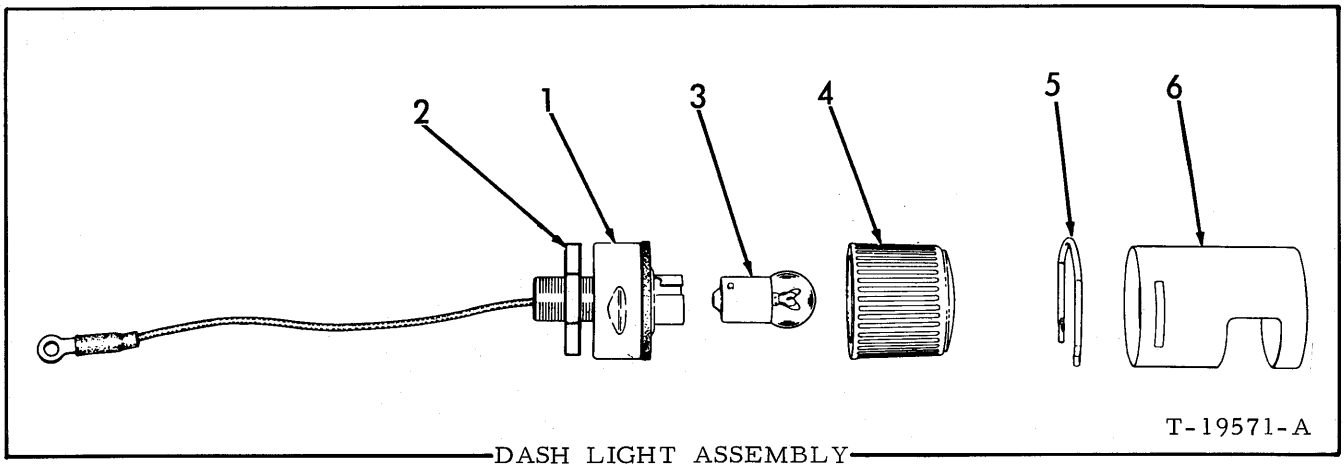
ITEM	PART NO.	QTY.	DESCRIPTION
1	188117	1	SWITCH, neutral position (includes items 2 thru 4)
2	------	1	SWITCH (not serviced - order item 1)
3	188137	2	SCREW, mach., fil. hd.
	917458	2	WASHER, 5/32"
4	188136	4	WASHER, lead sealing
	917479	2	NUT, #6
5	178350	1	CONNECTOR, 1/2"
6	188141	1	GROMMET (used prior to tractor serial no. 6745)
7	188082	1	WIRE ASSY. (2-Wire)
8	4513207	1	SWITCH, magnetic
	916019	2	CAPSCREW, 1/4" NC x 3/4", cd. pltd.
	916622	2	NUT, 1/4" NC, cd. pltd.
	916964	2	LOCKWASHER, 1/4" pltd.
9	188083	1	WIRE ASSY. (to Starter "Ground" Terminal) (for use with 19000 engine thru serial no. 19-01868)
	197497	1	WIRE ASSY. (to Starter "Ground" Terminal) (for use with 19000 Mark II engine effective 19-01869 and up)
10	188084	1	WIRE ASSY. (to Starter "Battery" Terminal) (for use with 19000 engine serial no. 19-01868)
	197498	1	WIRE ASSY. (to Starter "Battery" Terminal) (for use with 19000 Mark II engine effective 19-01869 and up)



LIGHT ASSEMBLIES

USAGE: Refer to ELECTRICAL SYSTEM
* - Headlamp
** - Flood lamp (Special Equipment)

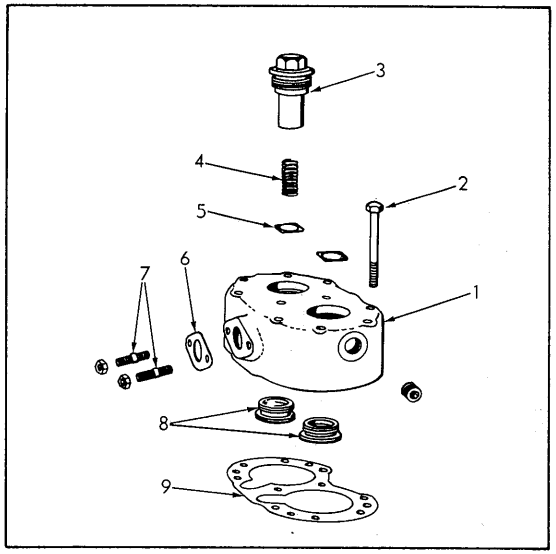
ITEM	PART NO.	QUANTITY *	QUANTITY **	DESCRIPTION
-	186007	2	-	LAMP ASSY., head (includes items 1 thru 5)
	186006	-	1	LAMP ASSY., flood (includes items 1 thru 5)
	918239	2	1	LOCKWASHER, ext. tooth, 5/8"
	900819	2	1	WASHER, plain USS std., 5/8"
	904209	2	1	LOCKWASHER, 5/8"
	918241	2	1	NUT, cd. pltd., 5/8" NF
1	182762	2	-	SEALED BEAM, head lamp
	182763	-	1	SEALED BEAM, flood lamp
2	048922	2	1	SPRING, retaining, terminal bushing
3	638282	2	1	RING, mounting
4	------	2	1	BODY ASSY. (includes wiring - not serviced separately - order complete Lamp Assy.)
5	055589	2	1	TERMINAL KIT (includes item 2 and hardware indented below)
	912731	4	2	SCREW, mach., #8 NC x 5/16"
	912739	4	2	LOCKWASHER, int. tooth, #8

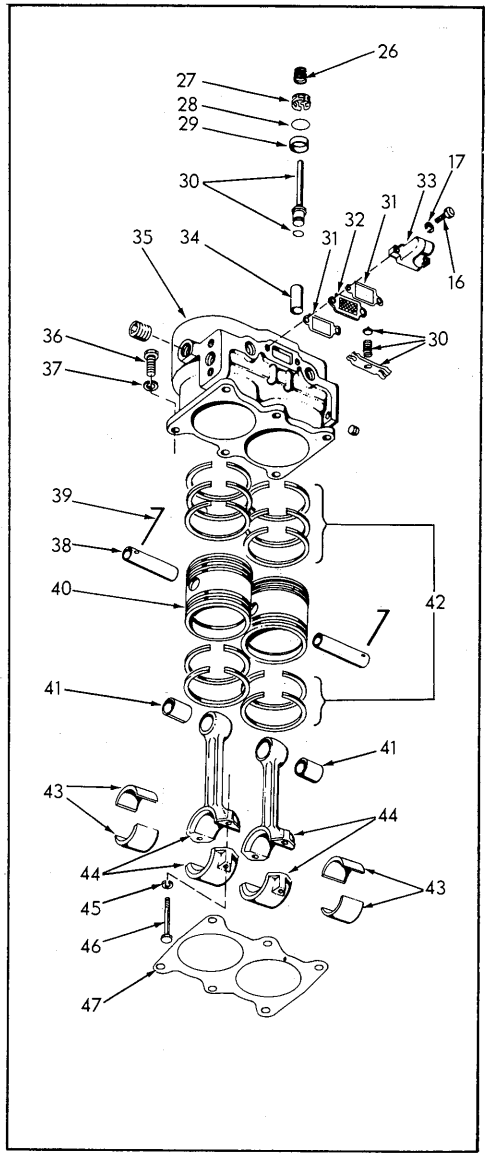


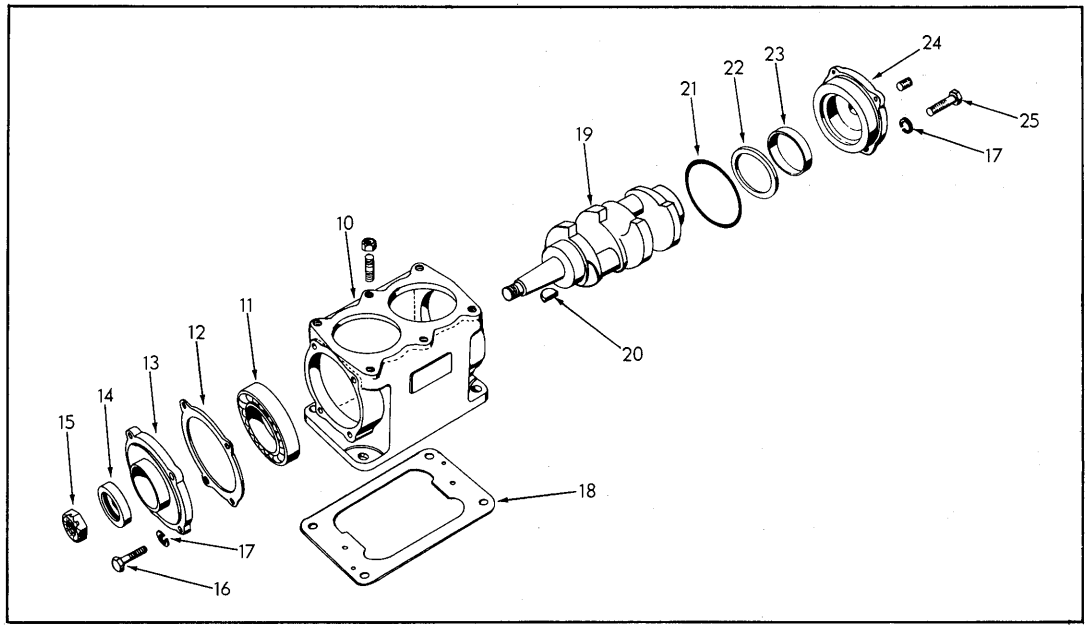
DASH LIGHT ASSEMBLY

NOTE: Quantities are sufficient for ONE light only

ITEM	PART NO.	QTY.	DESCRIPTION
-	182127	1	LIGHT ASSY., dash (includes items 1 thru 6) (used prior to tractor serial no. 7226)
	659003	1	LIGHT ASSY., dash (includes items 1, 3 thru 6) (effective tractor serial no. 7226)
	189173	1	LIGHT ASSY., shift speed indicator gauge (includes items 1 thru 6) (used prior to tractor serial no. 7226)
	197551	1	LIGHT ASSY., shift speed indicator gauge (includes items 1, 3 thru 6) (effective tractor serial no. 7226)
1	------	1	BASE ASSY. (not serviced separately)
2	182129	1	NUT (not included in dash light)
3	074452	1	BULB, incandescent, single contact 6C.P., 24 V.
4	095267	1	LENS
5	095265	1	SPRING, cover retaining
6	182128	1	COVER (used prior to tractor serial no. 7226)
	659002	1	COVER (effective tractor serial no. 7226)







T-26773-B

COMPRESSOR ASSEMBLY

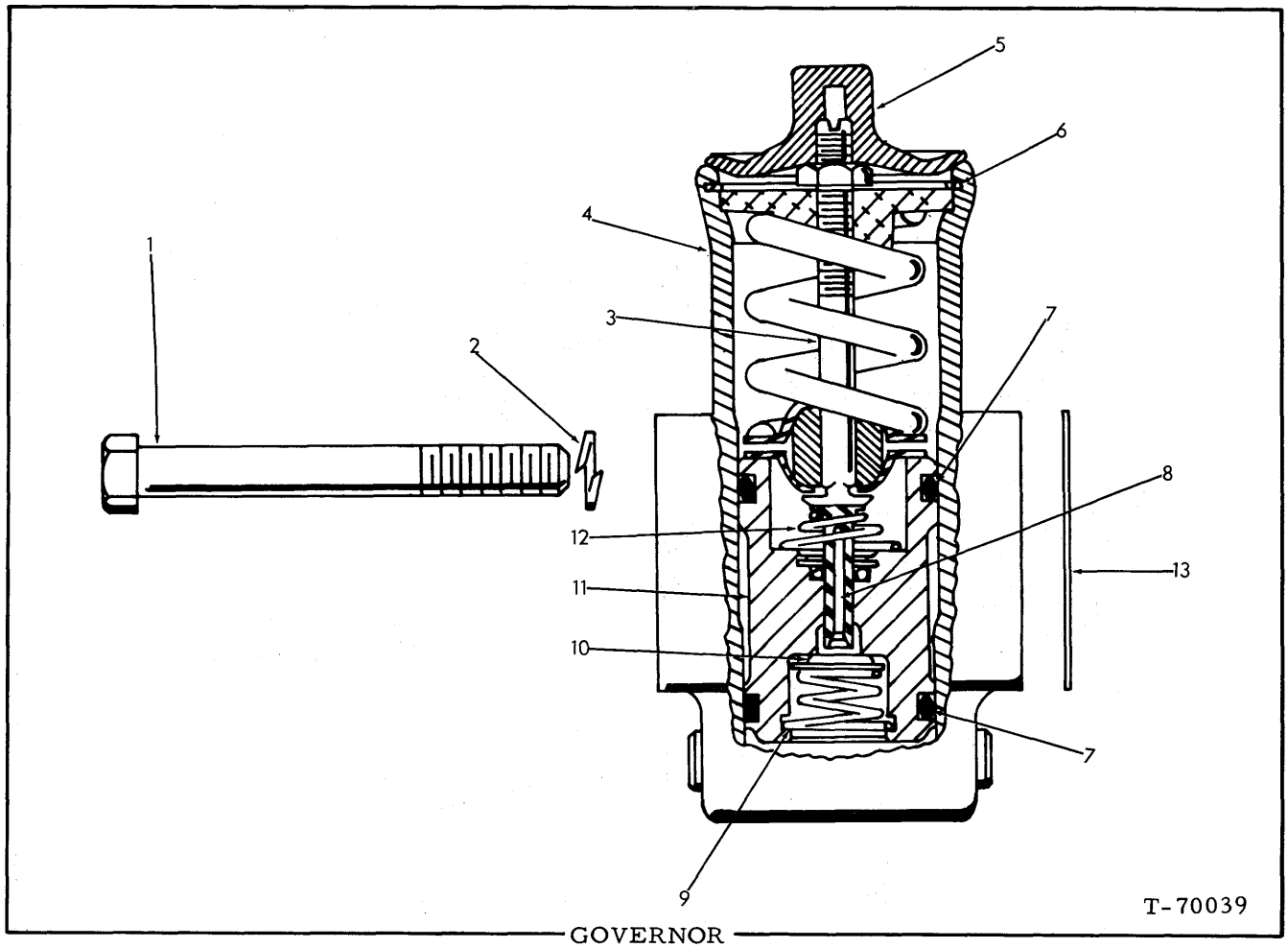
COMPRESSOR ASSEMBLY

ITEM	PART NO.	QTY.	DESCRIPTION
-	4389328	1	COMPRESSOR ASSY. (includes GOVERNOR, DRAIN COCK and items 1 thru 47)
	4053235	1	COCK, drain (not illustrated)
1	4040342	1	HEAD ASSY., cylinder (includes inlet valve spring SEAT, INSERT and item 8)
	4054434	2	SEAT, inlet valve spring (not illustrated)
	4054435	2	INSERT, inlet valve spring (not illustrated)
2	4050468	10	CAPSCREW, 5/16"
3	4040343	2	CAPNUT, discharge valve
4	4040303	2	SPRING, discharge valve
5	4040315	2	VALVE, discharge
6	4040302	1	GASKET, fitting
7	4040325	2	STUD, 5/16" diam.
	920263	2	NUT, 5/16" NF
8	4050467	2	SEAT, discharge valve
9	4050466	1	GASKET, cylinder head
10	4050409	1	CRANKCASE
11	4254151	1	BEARING, ball
12	4040323	1	GASKET, front cover
13	4040300	1	COVER, front end
14	4040306	1	SEAL, oil, front
15	4040351	1	NUT, crankshaft
16	4050464	6	CAPSCREW, 5/16"
17	4112723	10	LOCKWASHER, 5/16"
18	4040305	1	GASKET, flange
19	4055526	1	CRANKSHAFT
20	910545	1	KEY
21	4055527	1	GROMMET
22	4055528	1	WASHER, thrust
23	4055558	1	BUSHING, rear cover
24	4056134	1	COVER ASSY., rear (includes item 23)
25	4055557	4	CAPSCREW, 5/16"

(Continued)

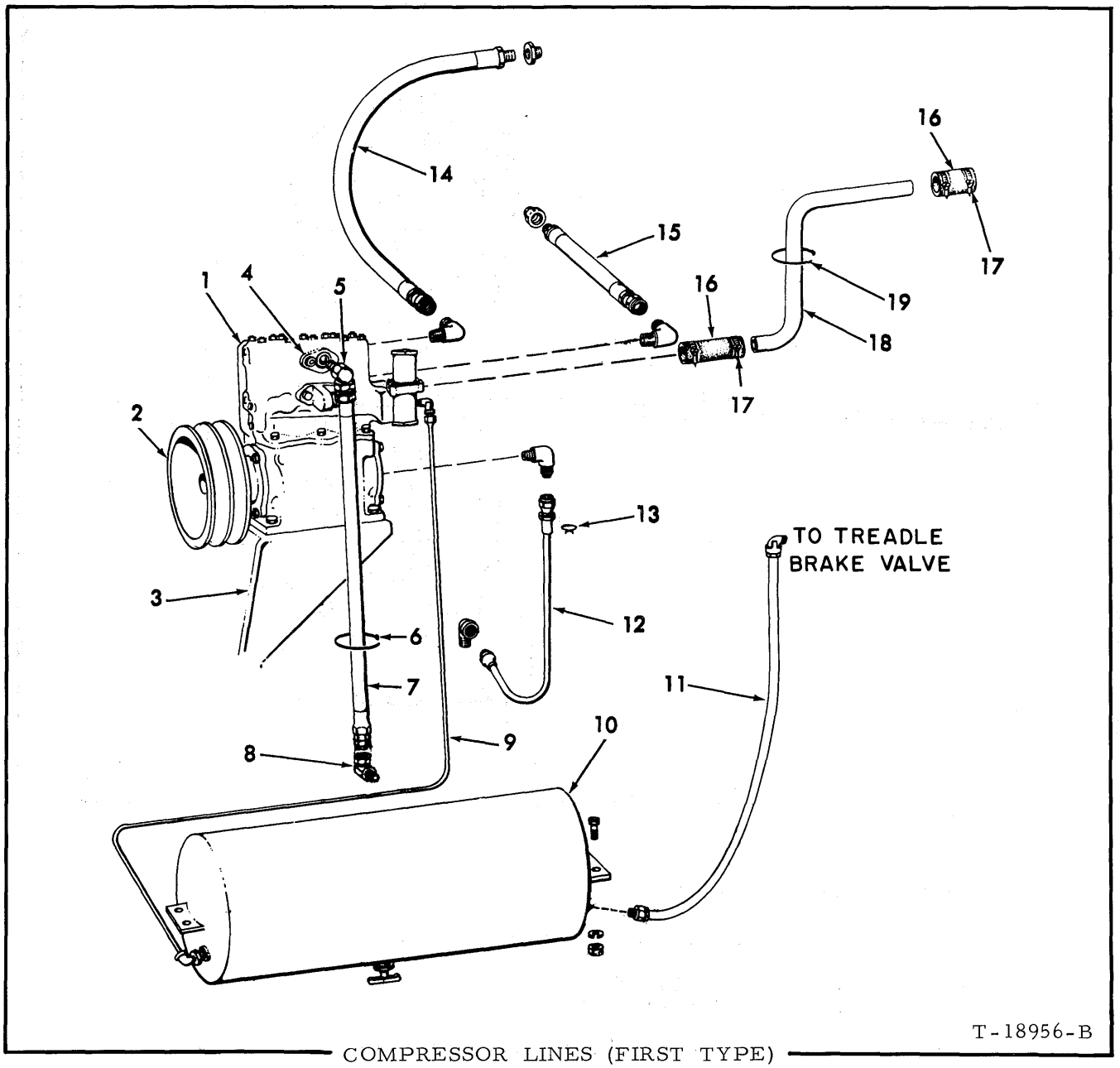
COMPRESSOR ASSEMBLY (Cont.)

ITEM	PART NO.	QTY.	DESCRIPTION
26	4040336	2	SPRING, inlet valve
27	4052124	2	GUIDE, inlet valve
28	4040335	2	VALVE, inlet
29	4040330	2	SEAT, inlet valve
30	4058899	1	VALVE KIT, unloader (Serviced only as a unit) (incl. GASKET)
	4025815	1	GASKET
31	4040341	2	GASKET, elbow
32	4056066	1	PLATE, strainer
33	4050436	1	ELBOW
34	4050454	2	BUSHING, unloader bore
	4054439	-	BUSHING, unloader bore (.006" oversize) (use as required)
35	4050453	1	BLOCK ASSY., cylinder (includes items 29 and 34)
	918850	1	PLUG, pipe, sq. hd., 1/4'
36	4050462	6	CAPSCREW, 3/8"
37	4110730	6	LOCKWASHER, 3/8"
38	4040339	2	PIN, wrist
	4054437	-	PIN, wrist (.005" oversize) (use as required)
39	4040340	2	WIRE, locking, wrist pin
40	4049421	2	PISTON ASSY. (includes item 38)
41	4056353	2	BUSHING, wrist pin
42	4040678	1	RING SET (includes ten compression rings)
43	4053595	4	BEARING, connecting rod
44	4056425	2	ROD ASSY., connecting (includes Cap and items 41, 45, and 46)
45	4053298	4	LOCKWASHER, connecting rod bolt
46	4053356	4	BOLT, connecting rod
47	4040321	1	GASKET, cylinder block



GOVERNOR

ITEM	PART NO.	QTY.	DESCRIPTION
-	4056131	1	GOVERNOR ASSY. (includes items 3 thru 12)
1	4055341	2	CAPSCREW, 5/16"
2	4112723	2	LOCKWASHER, 5/16"
3	4055276	1	SPRING ASSY. (includes Adjusting Screw and Retainers)
4	4055281	1	BODY, governor
	917673	4	PLUG, pipe, hex ctsk., 1/8" PT
5	4055277	1	COVER
6	4056265	1	RING, retaining
7	4055283	2	GROMMET, piston
8	4055278	1	STEM, exhaust
9	4055272	1	SPRING, valve
10	4055273	1	VALVE
11	4055274	1	PISTON
12	4055279	1	SPRING, exhaust stem
13	4040345	1	GASKET



COMPRESSOR LINES (FIRST TYPE)

USAGE: Prior to tractor serial no. 7218, except 7161, 7162

ITEM	PART NO.	QTY.	DESCRIPTION
1	------	1	COMPRESSOR ASSY. (See page 192)
	912187	4	CAPSCREW, 7/16" NC x 1"
	904207	4	LOCKWASHER, 7/16"
2	4363867	1	PULLEY, compressor
3	------	1	BRACKET, compressor (See FAN BRACKET)
4	4041004	1	FITTING, discharge
	4040302	1	GASKET, discharge fitting

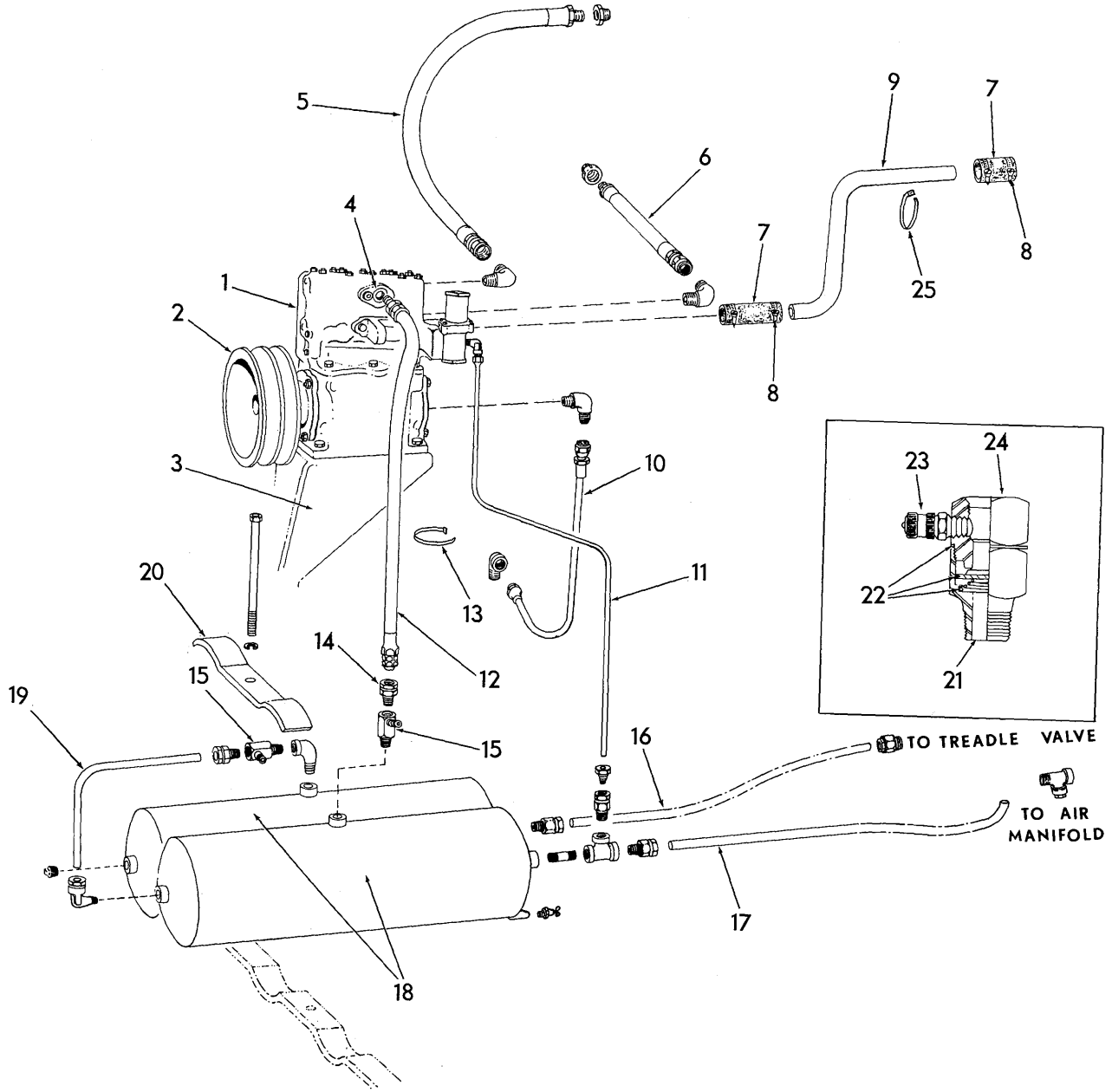
(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION	
5	179224	1	UNION, adapter, male, 90°, 3/8" NPTF	
6	196766	1	STRAP, lock	
7	173642	1	HOSE ASSY., metal	
8	179224	1	UNION, adapter, male, 90°, 3/8" NPTF	Prior to tractor serial no. 6906 except 6834 thru 6846
	904239	1	BUSHING, pipe, 3/8" x 3/4"	
	186240	1	UNION, adapter, male, str., 1/2" NPTF (not illustrated) (effective tractor serial no. 6834 and up, except 6847 thru 6905)	
9	------	1	TUBE, copper, 1/4" O.D. x 39-1/2" (order item 25)	
	917950	1	ELBOW, male, 1/4" tube, 1/4" PT (includes SLEEVE and NUT)	
	917816	1	ELBOW, male, 1/4" tube, 1/8" PT (includes SLEEVE and NUT)	
	917806	2	SLEEVE, 1/4" tube (rubber)	
	917809	2	NUT, 1/4" tube	
	901826	1	BUSHING, pipe, 3/8" x 1/4"	
10	185862	1	RESERVOIR, air (prior to tractor serial no. 6906, except 6834 thru 6846)	
	196116	1	RESERVOIR, air (effective tractor serial no. 6834 and up, except 6847 thru 6905)	
	912319	1	COCK, drain, 1/4" PT	
	907731	4	CAPSCREW, cd. pltd., 3/8" NC x 1"	
	916965	4	LOCKWASHER, cd. pltd., 3/8"	
	916950	4	NUT, cd. pltd., 3/8" NC	
11	------	1	TUBE, nylon, 1/2" O.D. x 32" (order item 20)	Effective tractor serial no. 6256 thru 7214
	923710	1	ELBOW, male, 1/2" tube, 1/2" PT (includes NUT)	
	921526	1	CONNECTOR, male, 1/2" tube, 3/8" PT (includes NUT)	
	921781	2	NUT, 1/2" tube	
	------	1	HOSE, oil (to Accessory Drive)	Used prior to tractor serial no. 7088 - replace with SECOND TYPE
	910161	1	ELBOW, male, 1/4" tube, 1/8" taper thd.	
	907059	1	ELBOW, street, 90°, 1/8"	
	------	1	HOSE, 1/4" I.D. x 8-3/8" (order item 22)	SECOND TYPE, effective tractor serial no. 7088 and up
12	920800	1	FITTING, male, socketless, 1/4" hose, 1/8" PT	
	920805	1	FITTING, swivel, socketless, 1/4" hose, 7/16" st. thd.	
	175769	1	UNION, adapter	
	919173	1	ELBOW, male, flared, 1/4" hose, 1/8" PT	
13	179966	2	CLAMP, hose	

(Continued)

COMPRESSOR LINES (FIRST TYPE) (Cont.)

ITEM	PART NO.	QTY.	DESCRIPTION	
	------	1	HOSE, water (to water outlet manifold)	Used prior to tractor serial no. 7088 - replace with SECOND TYPE
	911309	1	ELBOW, male, 1/2" tube, 3/8" taper thd.	
	917328	1	BUSHING, pipe, 3/4" x 3/8" (brass)	
	------	1	HOSE, 1/2" I. D. x 26-3/8" (order item 23)	SECOND TYPE, effective tractor serial no. 7088 and up
14	920802	1	FITTING, male, socketless, 1/2" hose, 3/8" PT	
	920807	1	FITTING, swivel, socketless, 1/2" hose, 3/4" st. thd.	
	919206	1	ELBOW, male, flared, 1/2" hose, 3/8" PT	
	917328	1	BUSHING, pipe, 3/4" x 3/8" (brass)	
	------	1	HOSE, water (to Block)	Used prior to tractor serial no. 7088 - replace with SECOND TYPE
	911309	1	ELBOW, male, 1/2" tube, 3/8" taper thd.	
	901835	1	BUSHING, pipe, 1/2" x 3/8" (brass)	
	------	1	HOSE, 1/2" I. D. x 9" (order item 23)	SECOND TYPE, effective tractor serial no. 7088 and up
15	920802	1	FITTING, male, socketless, 1/2" hose, 3/8" PT	
	920807	1	FITTING, swivel, socketless, 1/2" hose, 3/4" st. thd.	
	919206	1	ELBOW, male, flared, 1/2" hose, 3/8" PT	
	901835	1	BUSHING, pipe, 1/2" x 3/8" (brass)	
16	4351688	2	HOSE	
17	4254991	4	CLAMP, hose	
18	195023	1	PIPE, intake	
19	196765	1	STRAP, lock	
20	192928	-	TUBING, nylon, 1/2" O. D. x 25 ft. long	Use as required
21	116088	-	TUBING, copper, 1/4" O. D. x 25 ft. long	
22	920720	-	HOSE, low pressure, 1/4" I. D. x 25 ft. long	
23	920721	-	HOSE, low pressure, 1/2" I. D. x 25 ft. long	



COMPRESSOR LINES (SECOND TYPE)

T-72145

COMPRESSOR LINES (SECOND TYPE)

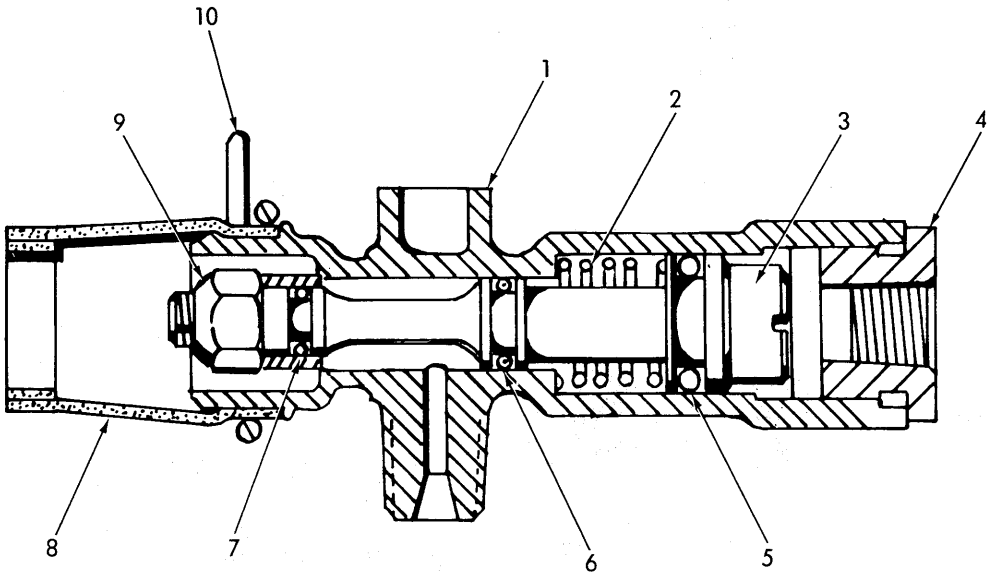
USAGE: Effective tractor serial no. 7161, 7162, 7218 and up

ITEM	PART NO.	QTY.	DESCRIPTION
1	------	-	See COMPRESSOR ASSY.
	912187	4	CAPSCREW, 7/16" NC x 1"
	904207	4	LOCKWASHER, 7/16"
2	4363867	1	PULLEY, compressor
3	------	1	BRACKET, compressor (See FAN BRACKET)
4	4041004	1	FITTING, discharge
	4040302	1	GASKET, discharge fitting
5	------	1	HOSE, 1/2" I. D. x 26-3/8" (to Water Outlet Manifold) (order item 29)
	920802	1	FITTING, male, socketless, 1/2" hose, 3/8" PT
	920807	1	FITTING, swivel, socketless, 1/2" hose, 3/4" str. thd.
	919206	1	ELBOW, male, flared, 1/2" hose, 3/8" PT
	917328	1	BUSHING, pipe, 3/4" x 3/8"
6	------	1	HOSE, 1/2" I. D. x 9" (order item 29) } for use with 19000 engine
	901835	1	BUSHING, pipe, 1/2" x 3/8" } thru serial no. 19-01868
	------	1	HOSE, 1/2" I. D. x 24-3/4" (order item 29) (for use with 19000 Mark II engine effective serial no. 19-01869 and up)
	920802	1	FITTING, male, socketless, 1/2" hose, 3/8" PT
	920807	1	FITTING, swivel, socketless, 1/2" hose, 3/4" str. thd.
	919206	1	ELBOW, male, flared, 1/2" hose, 3/8" PT
	901835	1	BUSHING, pipe, 1/2" x 3/8" (prior to tractor serial no.
7	4351688	2	HOSE
8	4254991	4	CLAMP
9	195023	1	PIPE, intake
10	------	1	HOSE, 1/4" I. D. x 8-3/8" (to Accessory Drive) (order item 30)
	179966	2	CLAMP, hose
	920800	1	FITTING, male, socketless, 1/4" hose, 1/8" PT
	920805	1	FITTING, swivel, socketless, 1/4" hose, 7/16" str. thd.
	175769	1	UNION, adapter
	919173	1	ELBOW, male, flared, 1/4" hose, 1/8" PT
11	------	1	TUBE, copper, 1/4" O. D. x 39-1/2" (order item 26)
	917816	1	ELBOW, male, 1/4" tube, 1/8" PT (includes SLEEVE and NUT)
	918626	1	CONNECTOR, male, 1/4" tube, 1/4" PT (includes SLEEVE and NUT)
	917809	2	NUT, 1/4" tube
	917806	2	SLEEVE, 1/4" tube (rubber)
	901826	1	BUSHING, pipe, 3/8" x 1/4"
12	173642	1	HOSE ASSY., metal
13	196766	1	STRAP, lock
14	186240	1	UNION, adapter

(Continued)

COMPRESSOR LINES (SECOND TYPE) (Cont.)

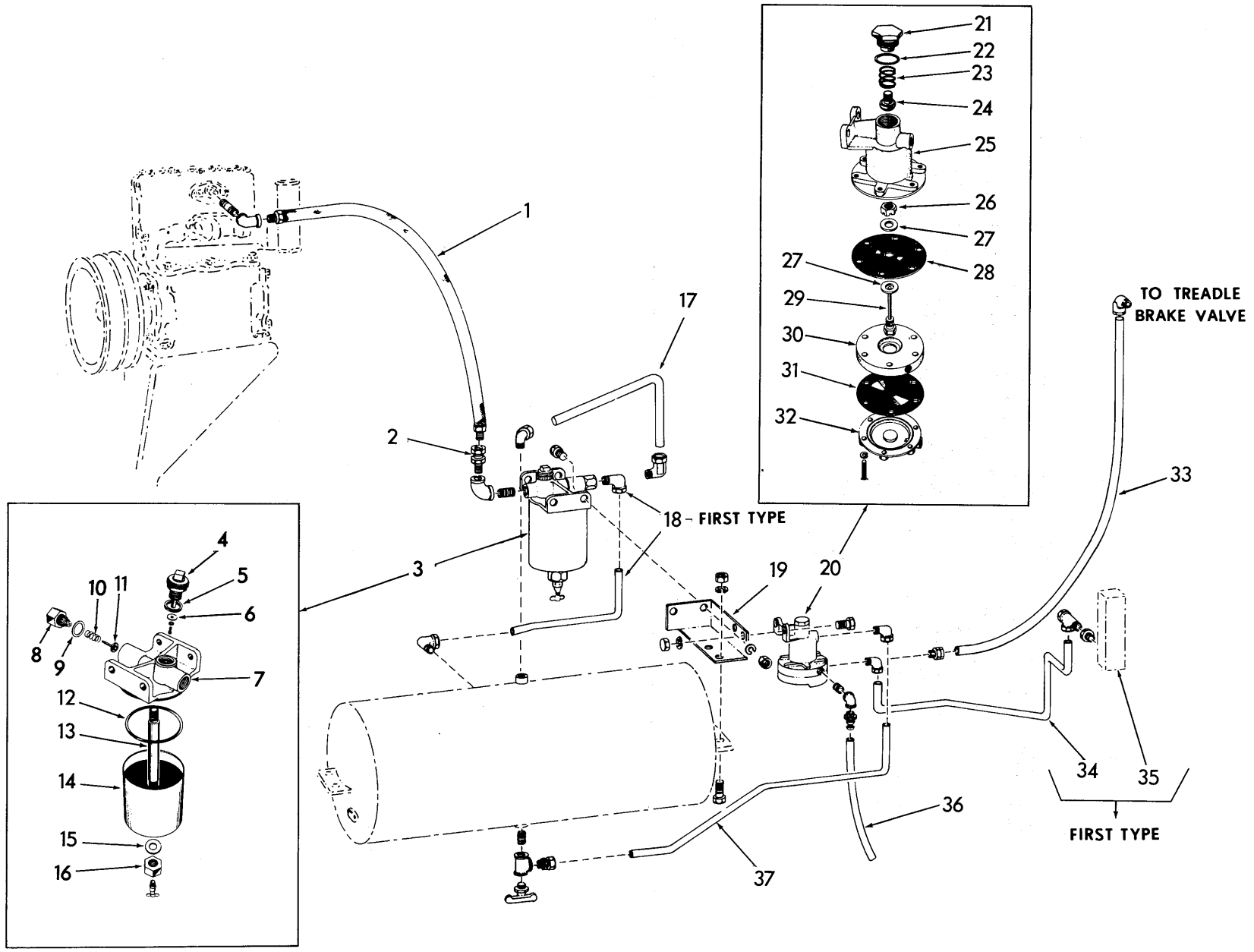
ITEM	PART NO.	QTY.	DESCRIPTION
15	196735	2	VALVE ASSY., check (includes items 21 thru 24)
	901724	1	ELBOW, street, 90°, 1/2"
16	------	1	TUBE, nylon, 1/2" O.D. x 32" (order item 27)
	921526	1	CONNECTOR, male, 1/2" tube, 3/8" PT (includes NUT) (at Reservoir)
	923917	1	CONNECTOR, male, 1/2" tube, 1/2" PT (includes NUT) (at Treadle Valve)
	921781	1	NUT, 1/2" tube (includes non-serviceable ferrule)
17	------	1	TUBE, nylon, 3/8" O.D. x 28" (order item 28)
	914051	1	CONNECTOR, male, 3/8" tube, 3/8" PT (includes NUT) — At Reservoir
	912340	1	NUT, 3/8" tube (includes non-serviceable ferrule) — At Reservoir
	901704	1	TEE, pipe, 3/8" — At Reservoir
	914086	1	NIPPLE, pipe, 3/8" x 1" — At Reservoir
	------	1	TEE, service (at Manifold - See SEAT ASSEMBLY)
18	196736	2	RESERVOIR, air
	912319	2	COCK, drain, 1/4" PT
	901653	1	PLUG, pipe, sq. hd., 3/8"
19	------	1	TUBE, nylon, 1/2" O.D. x 22" (order item 27)
	921527	1	ELBOW, male, 1/2" tube, 1/4" PT (includes NUT)
	923917	1	CONNECTOR, male, 1/2" tube, 1/2" PT (includes NUT)
	921781	2	NUT, 1/2" tube (includes non-serviceable ferrule)
20	196898	2	CLAMP, reservoir
	924109	2	CAPSCREW, 1/2" NC x 9"
	904208	2	LOCKWASHER, 1/2"
21	------	1	BODY, check valve (not serviced separately - order item 15)
22	196759	1	REPAIR KIT (includes Spring, Seal Assy. and Washer)
23	166222	1	VALVE ASSY.
24	------	1	CAP, end (not serviced separately - order item 15)
25	196765	1	STRAP, lock
26	116088	-	TUBING, copper, 1/4" O.D. x 25 ft. long (use as required)
27	192928	-	TUBING, nylon, 1/2" O.D. x 25 ft. long (use as required)
28	192929	-	TUBING, nylon, 3/8" O.D. x 25 ft. long (use as required)
29	920721	-	HOSE, low pressure, 1/2" I.D. x 25 ft. long (use as required)
30	920720	-	HOSE, low pressure, 1/4" I.D. x 25 ft. long (use as required)



DRAIN VALVE ASSEMBLY

USAGE: Special Equipment, see page 208

ITEM	PART NO.	QTY.	DESCRIPTION
-	190051	1	VALVE ASSY., remote control drain (includes items 1 thru 10)
1	191478	1	BODY
2	191479	1	SPRING
3	191480	1	PLUNGER
4	191481	1	NUT, cap
5	191482	1	GROMMET (.625 O. D.)
6	191483	1	GROMMET (1/2" O. D.)
7	187977	1	GROMMET (3/8" O. D.)
8	191476	1	BOOT
9	191485	1	NUT, elastic stop
10	191484	1	CLAMP, hose



MOISTURE AND ALCOHOL VALVES (FIRST TYPE)

MOISTURE AND ALCOHOL VALVES (FIRST TYPE)

USAGE: Special Equipment, prior to tractor serial no. 7218 except 7161, 7162

ITEM	PART NO.	QTY.	DESCRIPTION	
1	173642	1	HOSE ASSY., metal	
2	186240	1	UNION, adapter, male, str., 1/2" NPTF	
	901678	1	ELBOW, pipe, 90°, 3/8"	at Compressor
	916658	1	NIPPLE, pipe, 3/8" x 2-1/2"	at Compressor
	918543	1	ELBOW, pipe, reducing, 1/2" x 3/8"	at Valve
	916630	1	NIPPLE, pipe, 1/2" x 1-1/8"	at Valve
3	184656	1	VALVE ASSY., alcohol injector (includes items 4 thru 16)	
	916271	2	CAPSCREW, 3/8" NC x 1"	
	904206	2	LOCKWASHER, 3/8"	
	910324	2	NUT, 3/8" NC	
4	185117	1	PLUG ASSY., filler (includes Shaft)	
5	185123	1	INSERT, filler plug	
6	185126	1	PLATE, restriction	
	900547	1	SCREW, mach. #6 NC	
	912729	1	LOCKWASHER, int. tooth, #6	
7	185113	1	HEAD ASSY. (includes Insert)	
8	185119	1	GUIDE, check valve	
9	185122	1	GASKET, valve guide	
10	185118	1	SPRING, check valve	
11	185116	1	VALVE ASSY., check	
12	185121	1	O-RING	
13	185120	1	STUD	
14	185115	1	CYLINDER ASSY.	
15	185124	1	GASKET, stud head	
16	185125	1	HEAD, stud	
	915514	1	COCK, drain, 1/8" PT	
17	196424	1	TUBE, copper, 1/2" O.D. x 25" (See item 38)	Effective tractor serial no. 6834 & up, except 6847 thru 6905
	920101	2	ELBOW, male, 1/2" tube, 1/2" PT (includes SLEEVE and NUT)	Effective tractor serial no. 6834 & up, except 6847 thru 6905
	917808	2	SLEEVE, 1/2" tube (rubber)	Effective tractor serial no. 6834 & up, except 6847 thru 6905
	917811	2	NUT, 1/2" tube	Effective tractor serial no. 6834 & up, except 6847 thru 6905
18	184724	1	TUBE, copper, 1/2" O.D. x 22-1/2" (See item 38)	Used prior to tractor serial no. 6906 except 6834 thru 6846
	917818	1	ELBOW, male, 1/2" tube, 3/8" PT (includes SLEEVE and NUT)	Used prior to tractor serial no. 6906 except 6834 thru 6846
	920101	1	ELBOW, male, 1/2" tube, 1/2" PT (includes SLEEVE and NUT)	Used prior to tractor serial no. 6906 except 6834 thru 6846
	917808	2	SLEEVE, 1/2" tube (rubber)	Used prior to tractor serial no. 6906 except 6834 thru 6846
	917811	2	NUT, 1/2" tube	Used prior to tractor serial no. 6906 except 6834 thru 6846

(Continued)

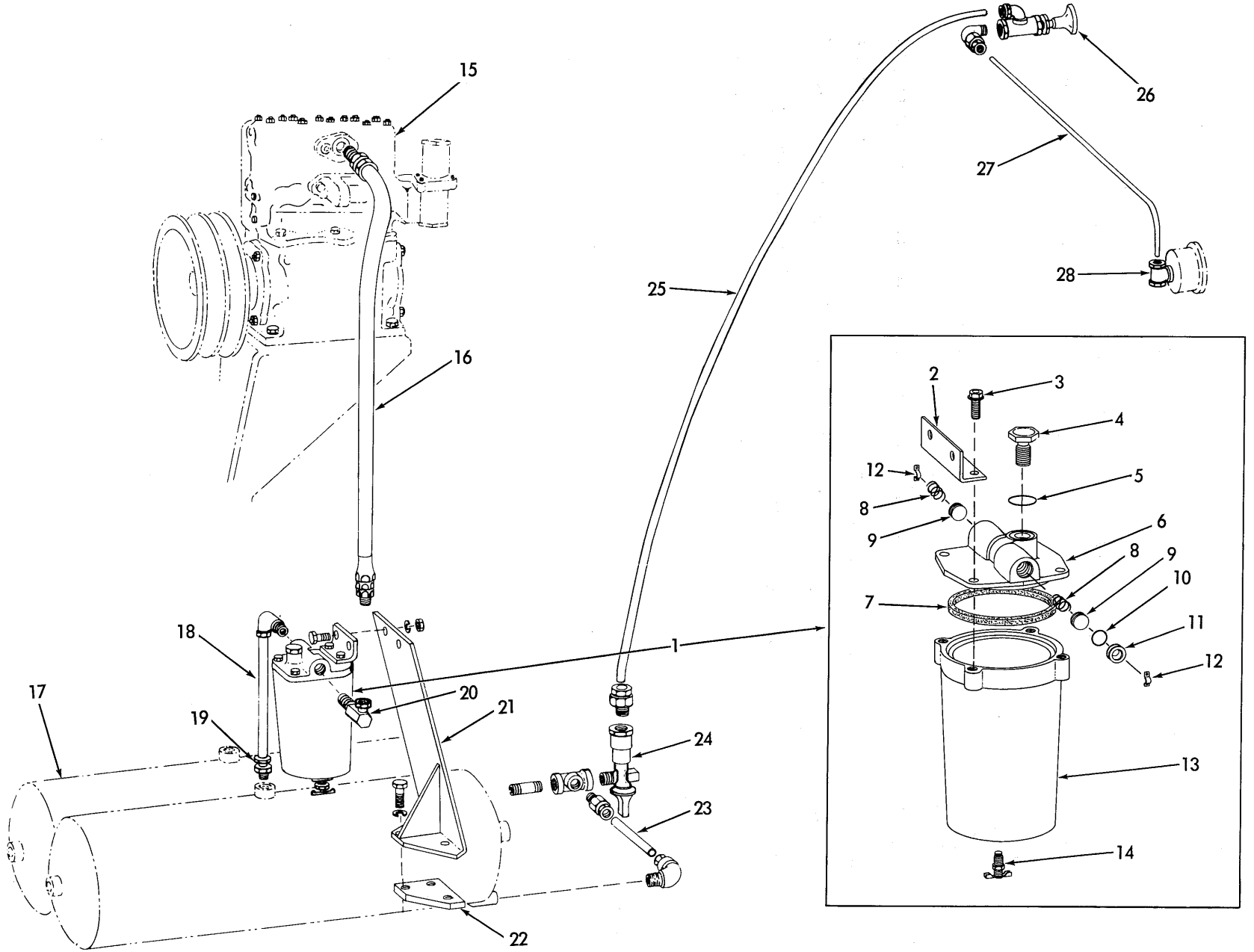
MOISTURE AND ALCOHOL VALVES (FIRST TYPE) (Cont.)

ITEM	PART NO.	QTY.	DESCRIPTION	
19	184732	1	BRACKET ASSY., valve mounting (welded)	
	916272	2	CAPSCREW, 3/8" NC x 1-1/4"	Reservoir Mounting
	916965	2	LOCKWASHER, cd. pltd., 3/8"	
	916950	2	NUT, cd. pltd., 3/8" NC	
20	184444	1	VALVE ASSY., automatic tank drain (includes items 21 thru 32)	
	914392	2	CAPSCREW, 5/16" NC x 1"	
	904205	2	LOCKWASHER, 5/16"	
	910323	2	NUT, 5/16" NC	
21	185107	1	CAP	
22	185111	1	GASKET, cap	
23	185106	1	SPRING	
24	185102	1	VALVE ASSY., inlet (includes Insert, serviced only as a unit)	
25	185105	1	BODY, valve	
26	185112	1	NUT, retaining	
27	185108	2	WASHER, diaphragm	
28	185109	1	DIAPHRAGM	
29	185101	1	ROD ASSY., push (includes Valve, serviced only as a unit)	
30	185103	1	BODY, exhaust chamber	
31	185110	1	DIAPHRAGM	
32	185104	1	COVER, bottom	
	910898	6	CAPSCREW, 1/4" NC x 1-3/4"	
	904204	6	LOCKWASHER, 1/4"	
33	196261	1	TUBE, nylon, 1/4" O.D. x 25" (See item 42)	Effective tractor serial no. 6256
	911323	1	CONNECTOR, 1/4" tube, 1/8" PT (includes NUT)	
	923977	1	ELBOW, 1/4" tube, 1/4" PT (includes NUT)	
	911291	2	NUT, 1/4" tube (includes non-serviceable ferrule)	
34	186238	1	TUBE, copper, 3/8" O.D. x 28-3/4" (See item 39)	Used prior to tractor serial no. 6256
	918797	1	ELBOW, male, 3/8" tube, 1/8" PT (includes SLEEVE and NUT)	
	917824	1	TEE, service, 3/8" tube, 1/4" PT (includes SLEEVE and NUT)	
	917807	3	SLEEVE, 3/8" tube (rubber)	
	917810	3	NUT, 3/8" tube	
	901826	1	BUSHING, pipe, 3/8" x 1/4"	
35	------	1	MANIFOLD (See Operator Compartment AIR LINES)	

(Continued)

MOISTURE AND ALCOHOL VALVES (FIRST TYPE) (Cont.)

ITEM	PART NO.	QTY.	DESCRIPTION
36	184744	1	HOSE, drain (1/4" I.D. x 10") (See item 41)
	920800	1	FITTING, male, socketless, 1/4" I.D. hose, 1/8" PT
	901676	1	ELBOW, pipe, 90°, 1/8"
	916634	1	NIPPLE, pipe, 1/8" x 3/4"
37	186239	1	TUBE, copper, 1/4" O.D. x 27" (See item 40)
	917950	1	ELBOW, male, 1/4" tube, 1/4" PT (includes SLEEVE and NUT)
	918626	1	CONNECTOR, male, 1/4" tube, 1/4" PT (includes SLEEVE and NUT)
	917806	2	SLEEVE, 1/4" tube (rubber)
	917809	2	NUT, 1/4" tube
	901703	1	TEE, pipe, 1/4"
	916635	1	NIPPLE, pipe, 1/4" x 2-1/2"
	912319	1	COCK, drain, 1/4" PT
38	065021	-	TUBING, copper, 1/2" O.D. x 18 ft. long (use as required)
39	065053	-	TUBING, copper, 3/8" O.D. x 35 ft. long (use as required)
40	116088	-	TUBING, copper, 1/4" O.D. x 25 ft. long (use as required)
41	920720	-	HOSE, low pressure, 1/4" I.D. x 25 ft. long (use as required)
42	193760	-	TUBING, nylon, 1/4" O.D. x 25 ft. long (use as required)



ALCOHOL VALVE (SECOND TYPE)

ALCOHOL VALVE (SECOND TYPE)

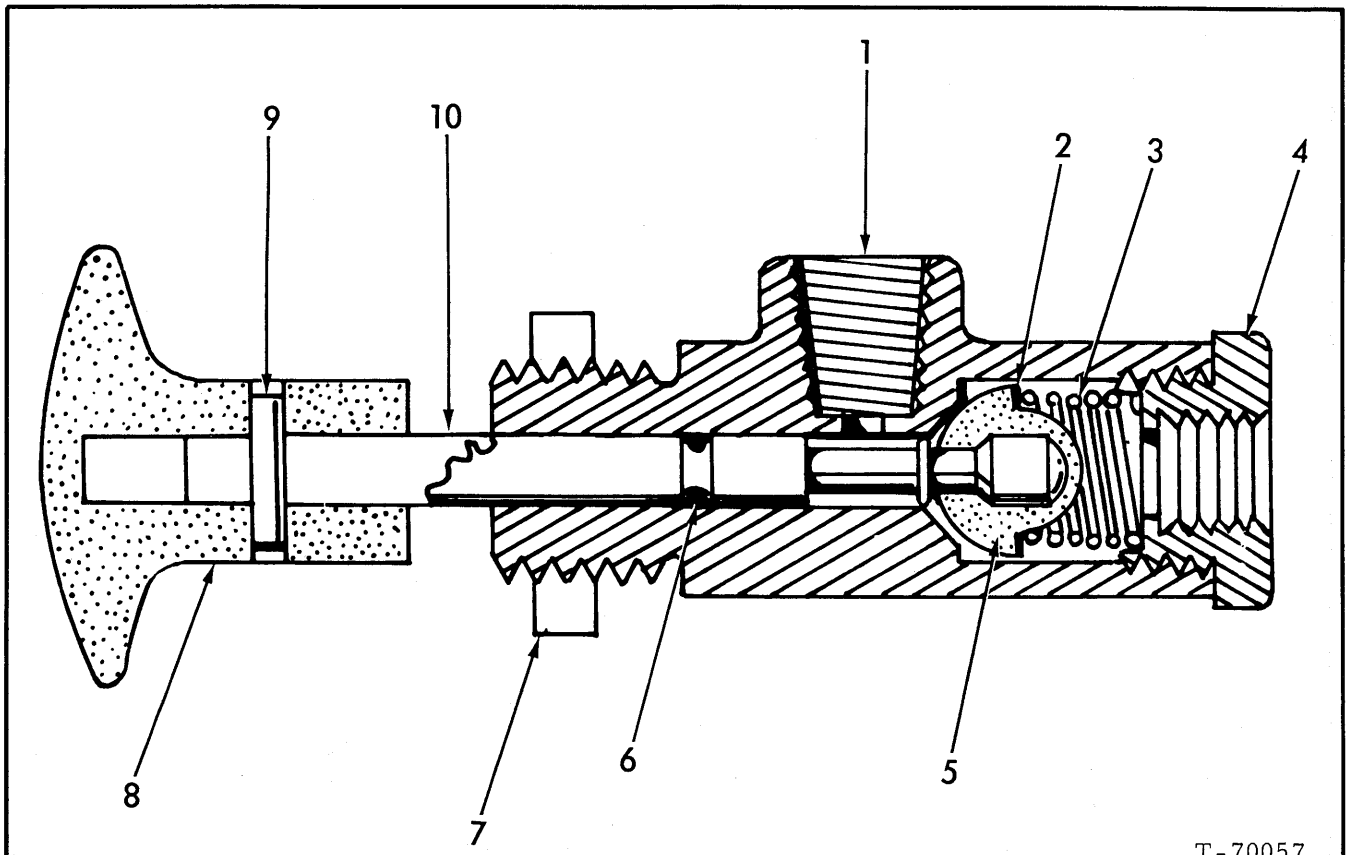
USAGE: Special Equipment, for tractors serial no. 7161, 7162, 7218 and up

ITEM	PART NO.	QTY.	DESCRIPTION
1	196895	1	INJECTOR ASSY., alcohol (includes items 2 thru 14)
	916271	2	CAPSCREW, 3/8" NC x 1"
	904206	2	LOCKWASHER, 3/8"
	910324	2	NUT, 3/8" NC
2	197845	1	BRACKET, injector mounting
3	197837	4	SCREW, hex washer hd. (5/16" NC x 7/8")
4	197843	1	PLUG
5	197842	1	SEAL, plug
6	197848	1	COVER
7		1	GASKET, cover
8	197838	2	SPRING, return
9	197841	2	VALVE
10	924003	1	O-RING
11	197840	1	SEAT, valve
12	197839	2	RETAINER
13	197847	1	RESERVOIR
14	197844	1	COCK, drain
15	------	-	See COMPRESSOR ASSEMBLY
16	173642	1	HOSE ASSY., metal
17	------	-	AIR RESERVOIR (See COMPRESSOR LINES)
18	196875	1	TUBE, copper, 3/4" O.D. x 5"
	924225	1	ELBOW, male, 3/4" tube, 1/2" PT (includes SLEEVE and NUT)
19	169515	1	CONNECTOR ASSY.
20	181392	1	UNION, adapter, 90°
21	197051	1	BRACKET ASSY. (welded)
	916309	3	CAPSCREW, 1/2" NC x 3/4"
	904208	3	LOCKWASHER, 1/2"
22	197050	1	BAR (welded to Air Reservoir)
23	------	1	TUBE, copper, 3/8" O.D. x 14" (order item 29)
	912402	1	ELBOW, male, 3/8" tube, 1/4" PT (includes NUT)
	912403	1	CONNECTOR, male, 3/8" tube, 1/4" PT (includes NUT)
	912340	2	NUT, 3/8" tube (includes non-serviceable ferrule)
	901703	1	TEE, pipe, 1/4" PT
	916633	1	NIPPLE, pipe, 1/4" x 7/8"

(Continued)

ALCOHOL VALVE (SECOND TYPE) (Cont.)

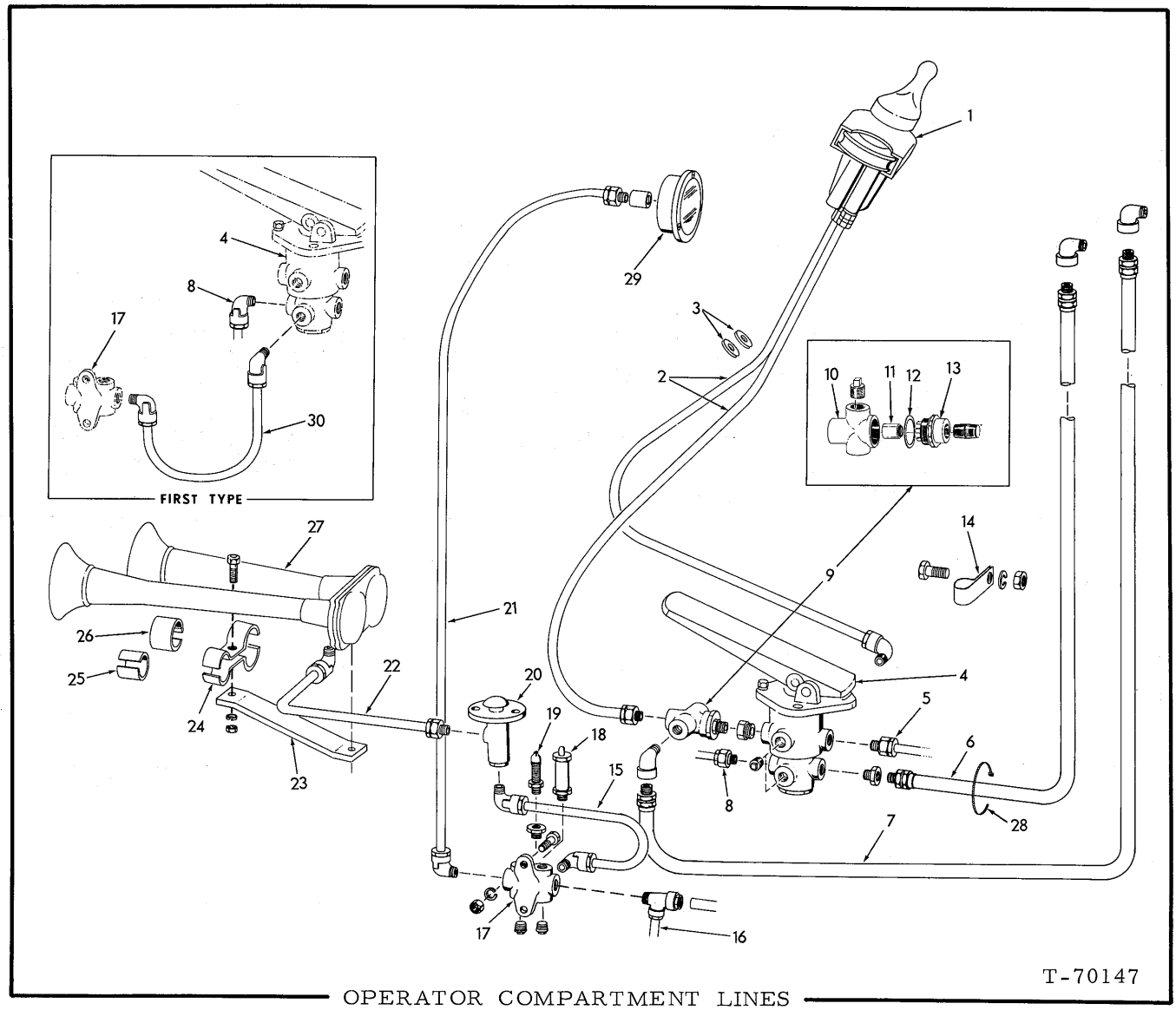
ITEM	PART NO.	QTY.	DESCRIPTION
24	------	1	VALVE, remote control drain (See page 203)
25	------	1	TUBE, copper, 3/8" O. D. x 51" (order item 29)
	912403	1	CONNECTOR, male, 3/8" tube, 1/4" PT (includes NUT)
	924079	1	ELBOW, male, 3/8" tube, 1/8" PT (includes NUT)
	912340	2	NUT, 3/8" tube (includes non-serviceable ferrule)
26	------	1	VALVE, control (See page 211)
27	------	1	TUBE, copper, 1/4" O. D. x 9" (order item 30)
	911294	1	ELBOW, male, 1/4" tube, 1/8" PT (includes NUT)
	911291	1	NUT, 1/4" tube (includes non-serviceable ferrule)
28	193595	1	TEE, female, 1/4" tube (includes NUT)
	911291	2	NUT, 1/4" tube (includes non-serviceable ferrule)
29	065053	-	TUBING, copper, 3/8" O. D. x 35 ft. long (use as required)
30	116088	-	TUBING, copper, 1/4" O. D. x 25 ft. long (use as required)



DRAIN CONTROL VALVE ASSEMBLY

USAGE: Special Equipment, see page 208

ITEM	PART NO.	QTY.	DESCRIPTION
-	190053	1	CONTROL VALVE ASSY., reservoir drain (includes items 1 thru 10)
1	191469	1	BODY
2	191470	1	SEAT, spring
3	191471	1	SPRING
4	191472	1	NUT, cap
5	191473	1	VALVE, inlet
6	191474	1	GROMMET
7	191475	1	NUT
8	191466	1	BUTTON
9	191467	1	PIN, spirol
10	191468	1	STEM



OPERATOR COMPARTMENT LINES

ITEM	PART NO.	QTY.	DESCRIPTION
1	------	1	BRAKE VALVE (See HAND BRAKE VALVE)
2	------	2	TUBE, nylon, 3/8" O.D. x 42" (order item 31)
	912403	3	CONNECTOR, male, 3/8" tube, 1/4" PT (includes NUT)
	912402	1	ELBOW, male, 3/8" tube, 1/4" PT (includes NUT)
	912340	4	NUT, 3/8" tube (includes non-serviceable ferrule)
3	194113	2	GROMMET (rubber)
4	------	1	BRAKE VALVE (See TREADLE VALVE)
5	------	1	TUBE (See BRAKE AIRLINES)

(Continued)

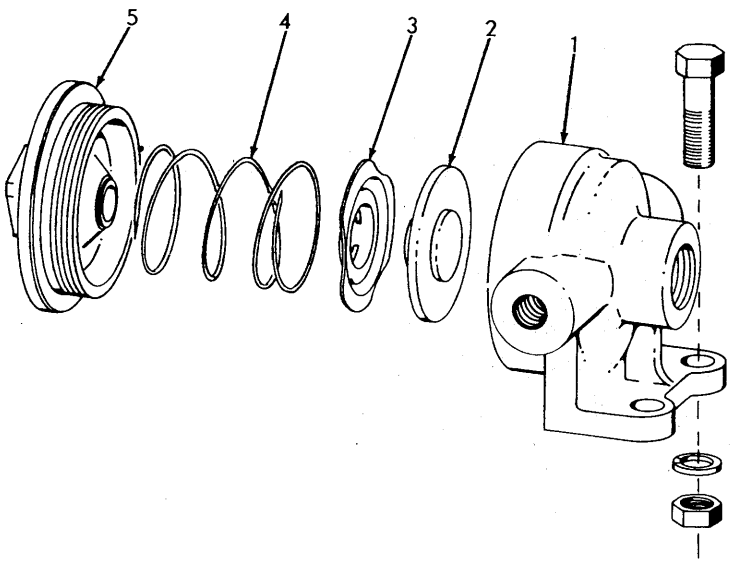
OPERATOR COMPARTMENT LINES (Cont.)

ITEM	PART NO.	QTY.	DESCRIPTION	
	------	1	TUBE (not as illustrated - See TRACTOR PROTECTION VALVE)	Used on all tractors except serial nos. 6667 thru 7217
	------	1	TUBE (FIRST TYPE - replace with HOSE and FITTINGS listed below)	To Hydraulic Manifold - Used on Tractor serial nos. 6667 thru 7217 only
6	------	1	HOSE, 3/8" I.D. x 3/4" O.D. x 128" (order item 33)	
	157473	2	COUPLING, 3/8" male NPTF (includes SLEEVE)	
	167687	2	SLEEVE, compression (not illustrated)	
	904271	1	BUSHING, pipe, 3/8" x 1/2"	
	901723	1	ELBOW, street, 3/8" PT	
	------	1	TUBE (not as illustrated - See TRACTOR PROTECTION VALVE)	Used on all tractors except serial nos. 6667 thru 7217
	------	1	TUBE (FIRST TYPE - replace with HOSE and FITTINGS listed below)	To Hydraulic Manifold - Used on Tractor serial nos. 6667 thru 7217 only
	------	1	HOSE, 3/8" I.D. x 3/4" O.D. x 128" (order item 33)	
7	177381	1	COUPLING, 1/4" male NPTF (includes SLEEVE)	
	157473	1	COUPLING, 3/8" male NPTF (includes SLEEVE)	
	167687	2	SLEEVE, compression (not illustrated)	
	901722	1	ELBOW, street, 1/4" PT (at Valve)	
	901723	1	ELBOW, street, 3/8" PT (at Manifold)	
8	------	1	TUBE, to Air Reservoir (See COMPRESSOR LINES)	
9	183837	1	VALVE ASSY., two-way (includes items 10 thru 13)	
	901839	1	BUSHING, pipe, 1/2" x 1/4"	
10	------	1	BODY, valve (not serviced - order item 9)	
	901652	1	PLUG, pipe, 1/4"	
11	183839	1	PLUNGER (includes Insert)	
12	183840	1	WASHER, cap	
13	183838	1	CAP, valve	
	916633	1	NIPPLE, pipe, 1/4" x 7/8"	
14	179987	1	CLAMP	Effective tractor serial no. 6667 and up
	916254	1	CAPSCREW, 7/16" NC x 1"	
	904207	1	LOCKWASHER, 7/16" NC	
	912201	1	NUT, 7/16" NC	
15	------	1	TUBE, nylon, 1/4" O.D. x 7-1/2" (order item 32)	
	923977	2	ELBOW, male, 1/4" tube, 1/4" PT (includes NUT)	
	911291	2	NUT, 1/4" tube (includes non-serviceable ferrule)	
16	------	1	TUBE, to Air Reservoir (See COMPRESSOR LINES)	

(Continued)

OPERATOR COMPARTMENT LINES (Cont.)

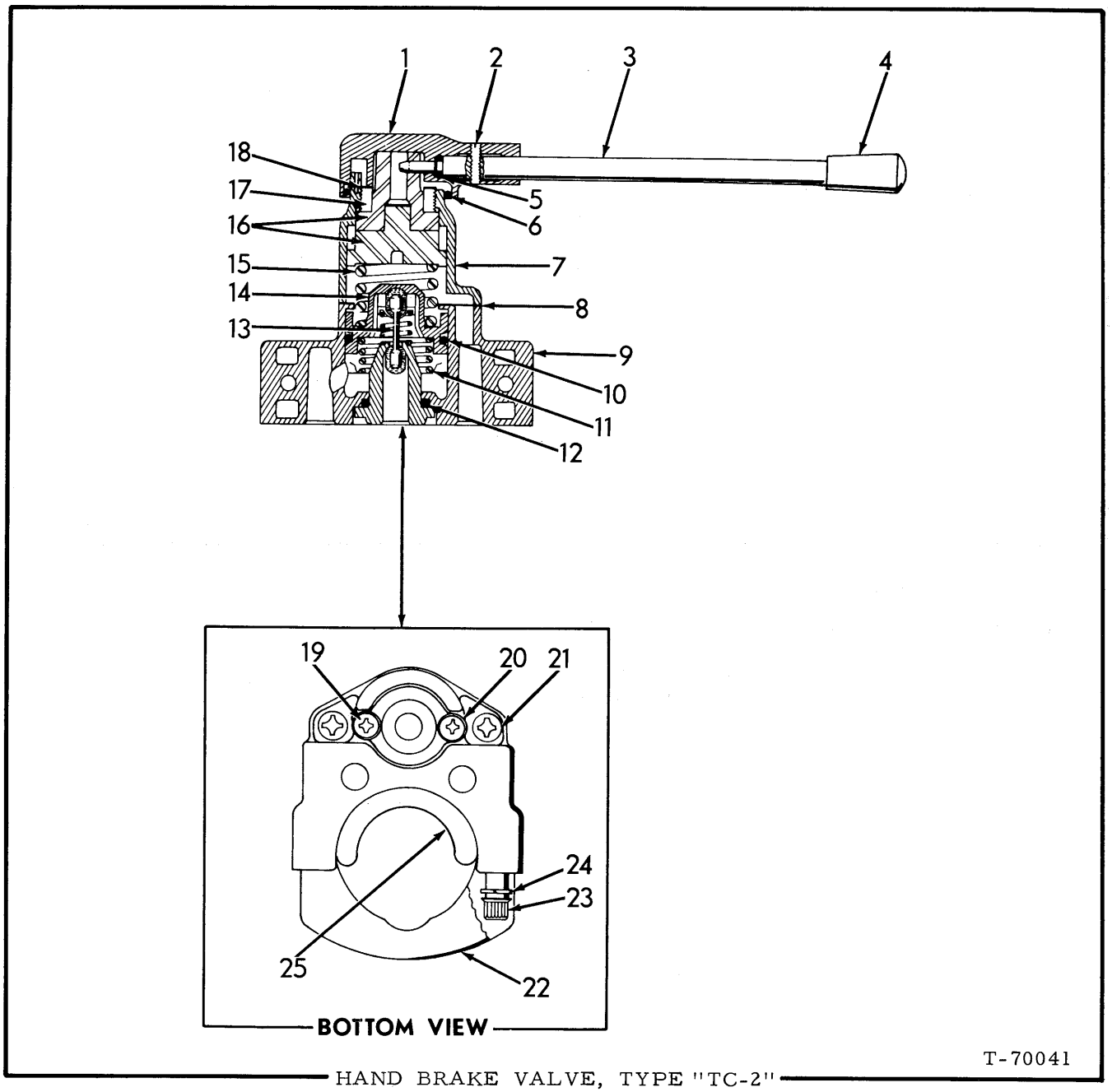
ITEM	PART NO.	QTY.	DESCRIPTION	
17	193582	1	MANIFOLD, air	
	917396	2	CAPSCREW, cd. pltd., 1/4" NC x 1"	
	904204	2	LOCKWASHER, 1/4"	
	910880	2	NUT, 1/4" NC	
	901652	3	PLUG, pipe, 1/4"	
18	160425	1	VALVE, safety	
19	166222	1	STEM, valve	
	901825	1	BUSHING, pipe, 1/4" x 1/8"	
20	181478	1	VALVE, horn	
	916019	2	CAPSCREW, cd. pltd., 1/4" NC x 3/4"	
	916964	2	LOCKWASHER, pltd., 1/4"	
	916622	2	NUT, cd. pltd., 1/4" NC	
21	------	1	TUBE, nylon, 1/4" O.D. x 40" (order item 32)	
	923977	1	ELBOW, male, 1/4" tube, 1/4" PT (includes NUT)	
	911323	1	CONNECTOR, male, 1/4" tube, 1/8" PT (includes NUT)	
	911291	2	NUT, 1/4" tube (includes non-serviceable ferrule)	
22	------	1	TUBE, nylon, 1/4" O.D. x 13" (order item 32)	
	923977	1	ELBOW, male, 1/4" tube, 1/4" PT (includes NUT)	
	923916	1	CONNECTOR, male, 1/4" tube (includes NUT)	
	911291	2	NUT, 1/4" tube (includes non-serviceable ferrule)	
23	196368	1	BRACKET, horn	Effective tractor serial no. 6986 and up
24	196369	2	CLAMP	
	916271	1	CAPSCREW, 3/8" NC x 1"	
	904206	1	LOCKWASHER, 3/8"	
	910324	1	NUT, 3/8" NC	
25	196754	2	STRIP, rubber (See item 34)	
26	196755	2	STRIP, rubber (See item 34)	
27	------	1	HORN (See AIR HORN)	
28	196766	1	STRAP	
29	------	1	GAUGE, air pressure (See INSTRUMENT PANEL)	
	901763	1	COUPLING, pipe, str., 1/8"	
30	------	1	TUBE, nylon, 3/8" O.D. x 16" (order item 31)	Used prior to tractor serial no. 7215
	912402	1	ELBOW, male, 3/8" tube, 1/4"PT (includes NUT) (at Brake Valve)	
	------	1	TEE, service (at Manifold - not as illustrated)(See SEAT ASSEMBLY)	
	912340	2	NUT, 3/8" tube (includes non-serviceable ferrule)	
31	192929	-	TUBING, nylon, 3/8" O.D. x 25 ft. long	Use as required
32	193760	-	TUBING, nylon, 1/4" O.D. x 25 ft. long	
33	178496	-	HOSE, 3/8" I.D. x 3/4" O.D. x 50 ft. long	
34	033288	-	CEMENT, elastic, 1/2 pint (use as required) (for use with items 25 and 26)	



RELEASE VALVE

USAGE: See BRAKE AIR LINES

ITEM	PART NO.	QTY.	DESCRIPTION
-	177179	1	VALVE ASSY., quick release (includes items 1 thru 5)
	916431	2	CAPSCREW, cd. pltd., 5/16" NC x 1"
	917356	2	LOCKWASHER, pltd., 5/16"
	917372	2	NUT, cd. pltd., 5/16" NC
1	177323	1	BODY
2	177324	1	DIAPHRAGM
3	177322	1	SEAT, spring
4	177321	1	SPRING
5	177320	1	COVER



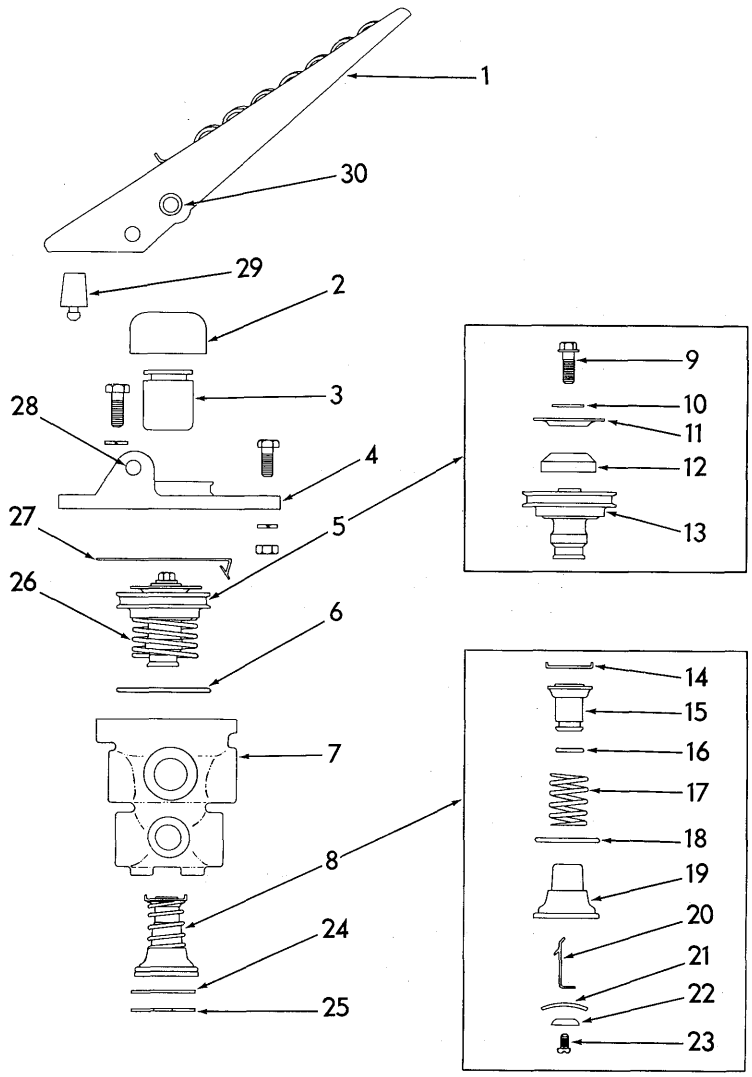
HAND BRAKE VALVE, TYPE "TC-2"

ITEM	PART NO.	QTY.	DESCRIPTION
-	191858	1	VALVE ASSY., hand brake (includes items 1 thru 25)
1	191854	1	HEAD
2	191467	1	PIN
3	194058	1	HANDLE

(Continued)

HAND BRAKE VALVE, TYPE "TC-2" (Cont.)

ITEM	PART NO.	QTY.	DESCRIPTION
4	191852	1	KNOB
5	4040841	1	GROMMET
6	191843	1	GROMMET
7	------	1	COVER (Not serviced - order complete assembly)
8	191844	1	GASKET
9	------	1	BODY (Not serviced - order complete assembly)
10	191846	1	GROMMET, piston
11	191847	1	SPRING, piston return
12	191848	1	GROMMET
13	191838	1	VALVE ASSY., inlet and exhaust (includes Seat, Stem, Spring, Guide, and 2 Valves)
14	191845	1	PISTON
15	191857	1	SPRING
16	191839	1	CAM ASSY. (includes FOLLOWER)
17	191842	1	RING, adjusting
18	191840	1	LOCKWASHER, adjusting ring
19	191849	2	SCREW, machine
20	906958	2	LOCKWASHER
21	191851	2	CAPSCREW
22	191856	1	CLAMP
23	191855	2	SCREW
24	178698	2	LOCKWASHER
25	192603	1	CLAMP



T-70141

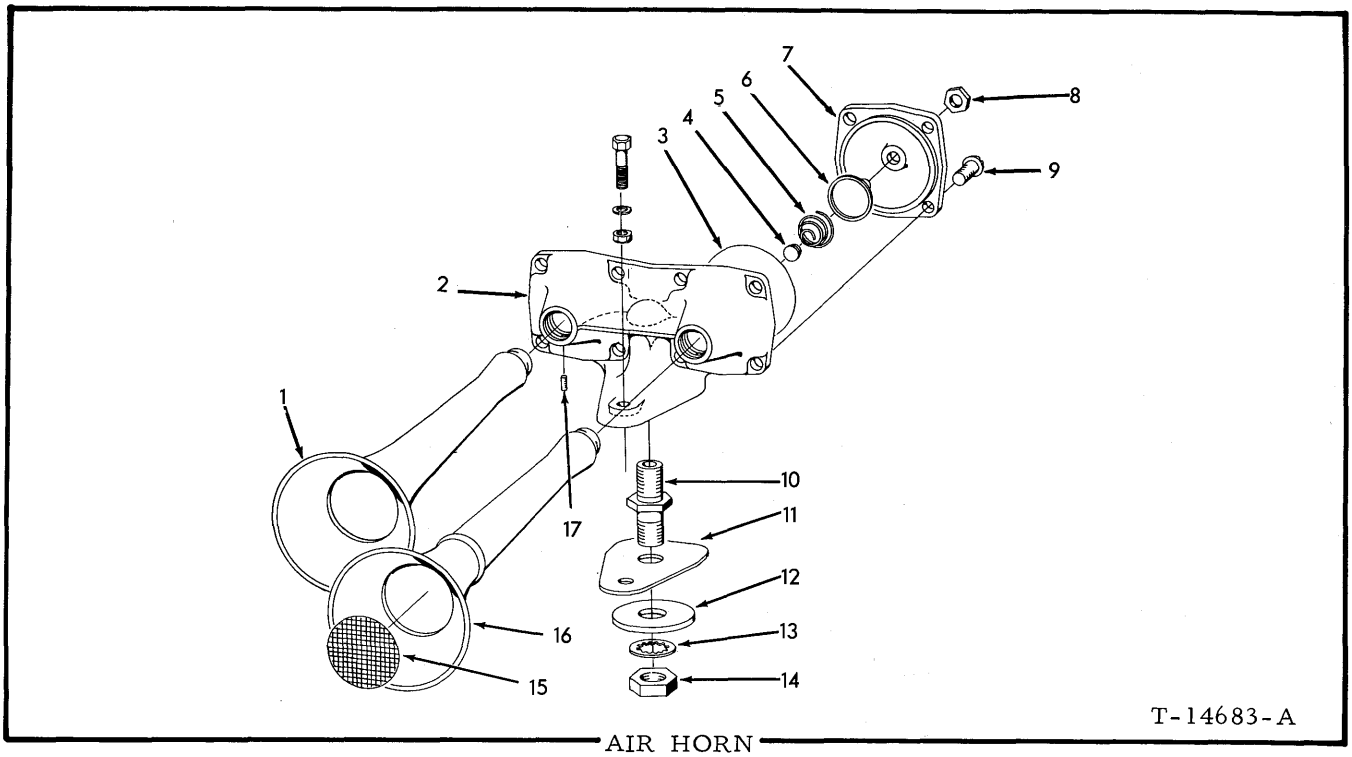
TREADLE BRAKE VALVE

ITEM	PART NO.	QTY.	DESCRIPTION
-	193581	1	VALVE ASSY., treadle valve (includes items 1 thru 30)
	916431	3	CAPSCREW, cd. pltd., 5/16" NC x 1"
	917356	3	LOCKWASHER, pltd., 5/16"
	917372	3	NUT, cd. pltd., 5/16" NC
	901654	2	PLUG, pipe, 1/2"
1	194953	1	TREADLE ASSY. (includes item 30)
2	194958	1	BOOT
3	194957	1	PLUNGER
4	194955	1	PLATE, mounting
	917397	3	CAPSCREW, cd. pltd., 5/16" NC x 3/4"
	917356	3	LOCKWASHER, pltd., 5/16"

(Continued)

TREADLE BRAKE VALVE

ITEM	PART NO.	QTY.	DESCRIPTION
5	194982	1	PISTON ASSY. (includes items 9 thru 13)
6	923580	1	O-RING, 2-1/8" I. D.
7	------	1	BODY (not serviced - order complete Valve Assy.)
8	194954	1	VALVE ASSY., inlet-exhaust (includes items 14 thru 23)
9	194980	1	CAPSCREW, hex washer hd., 1/4" NC
10	194971	1	WASHER, special
11	194978	1	SEAT, spring
12	194975	1	SPRING (rubber)
13	------	1	PISTON (not serviced - order item 5)
14	194974	1	RETAINER, valve
15	------	1	VALVE, inlet and exhaust (not serviced - order item 8)
16	182471	1	O-RING
17	194967	1	SPRING, valve
18	923569	1	O-RING
19	------	1	SEAT, exhaust check valve (not serviced - order item 8)
20	194972	1	SPRING, inlet valve preload
21	194966	1	DIAPHRAGM
22	194970	1	WASHER, diaphragm
23	194976	1	SCREW
24	194979	1	WASHER, identification
25	194965	1	RING, retaining
26	178676	1	SPRING, piston return
27	194969	1	RETAINER
28	194964	1	PIN, fulcrum
	916202	1	PIN, roll, 1/8" x 7/8" (not illustrated)
29	194956	1	BUTTON, stop
30	194963	1	ROLLER
	194961	1	PIN, roller
	900942	1	PIN, cotter, 3/32" x 1" (not illustrated)



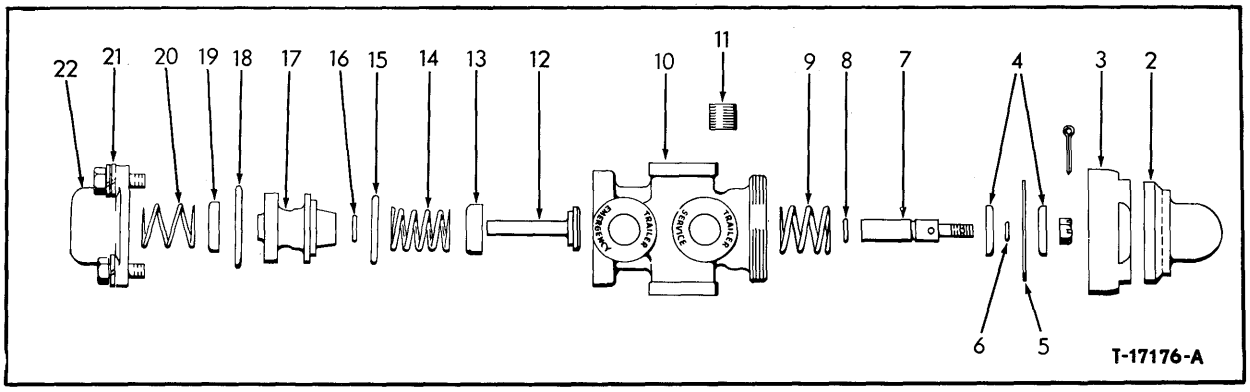
AIR HORN

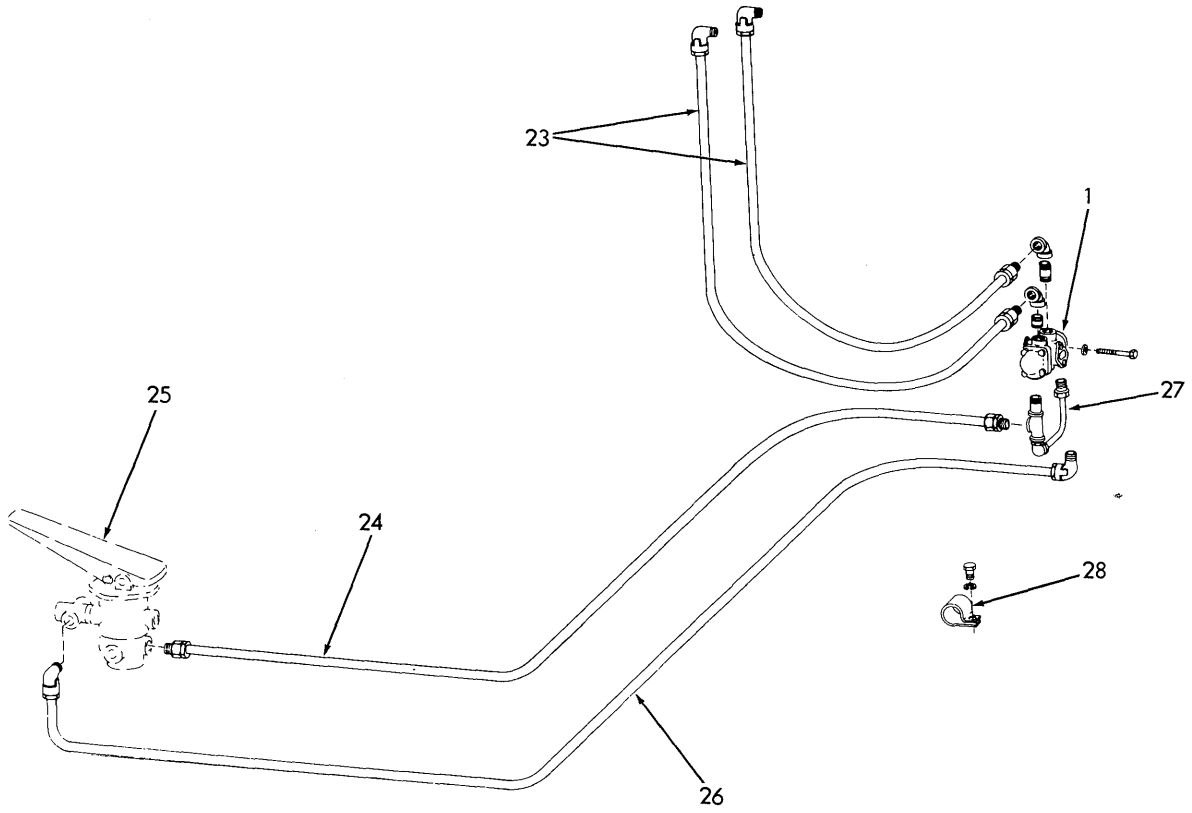
USAGE: See OPERATOR COMPARTMENT LINES

ITEM	PART NO.	QTY.	DESCRIPTION
-	187237	1	HORN ASSY., Air (includes items 1 thru 17)
	917396	1	CAPSCREW, cd. pltd., 1/4" NC x 1"
	916964	1	LOCKWASHER, pltd., 1/4"
	916622	1	NUT, cd. pltd., 1/4" NC
1	177419	1	BELL, short
2	191742	1	BODY
3	178964	2	DIAPHRAGM
4	178963	2	CONTACT, spring
5	178965	2	SPRING
6	178960	2	SEAT ASSY., spring
7	178969	1	COVER
8	191741	2	NUT, special
9	913466	8	SCREW, rd. hd., 1/4" NC x 7/8"
	904204	8	WASHER, 1/4"
10	187241	1	COUPLING, mounting
11	178966	1	GASKET

(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
12	178972	1	WASHER, special
13	910334	1	LOCKWASHER, int. tooth, 5/8"
14	178975	1	NUT, special, thin
15	187239	2	SCREEN
16	177418	1	BELL, long
17	178959	2	SCREW, set, socket cup pt. (FIRST TYPE)





T-70148

TRACTOR PROTECTION VALVE

TRACTOR PROTECTION VALVE

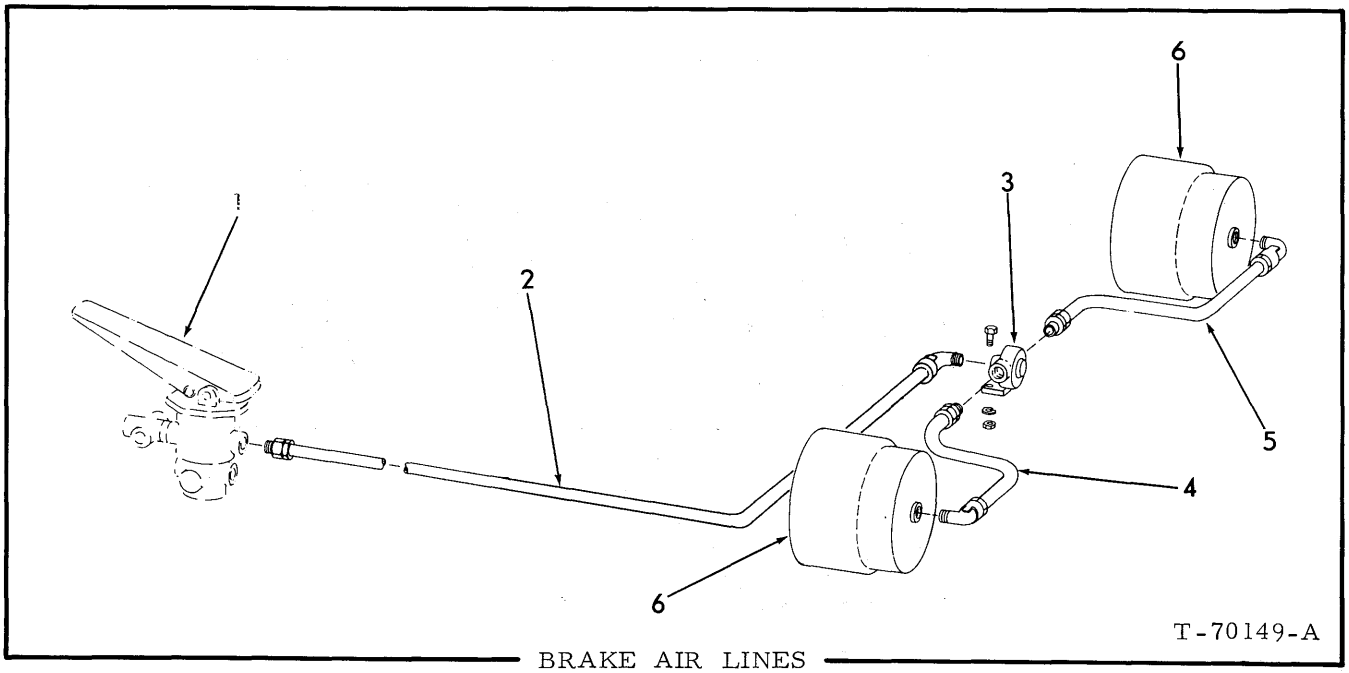
USAGE: Used on all tractor serial nos. except 6667 thru 7217

ITEM	PART NO.	QTY.	DESCRIPTION
1	180217	1	VALVE ASSY., tractor protection (includes items 2 thru 22)
	917605	2	CAPSCREW, 5/16" NC x 3-1/4"
	904205	2	LOCKWASHER, 5/16"
2	178706	1	CAP
3	178659	1	NUT, cover
4	180265	2	FOLLOWER
5	180466	1	DIAPHRAGM
6	180471	1	WASHER
7	180254	1	PLUNGER ASSY., exhaust valve (includes hardware indented below and items 4, 5 and 6)
	916590	1	NUT, elastic stop, 1/4" NF
8	178710	1	GROMMET, exhaust valve plunger
9	180263	1	SPRING
10	180255	1	BODY, valve
11	180264	1	PLUG, pipe (FIRST TYPE)
12	187974	1	VALVE, service and exhaust
13	187975	1	RETAINER, service and exhaust valve
14	180257	1	SPRING
15	157521	1	O-RING
16	191722	1	GROMMET
17	187976	1	GUIDE, service and exhaust valve (includes SEAT)
18	157525	1	O-RING
19	180260	1	VALVE, disc
20	180261	1	SPRING, emergency valve
21	178740	2	WASHER
22	180262	1	COVER
	917397	4	CAPSCREW, cd. pltd., 5/16" NC x 3/4"
	904205	4	LOCKWASHER, 5/16"

(Continued)

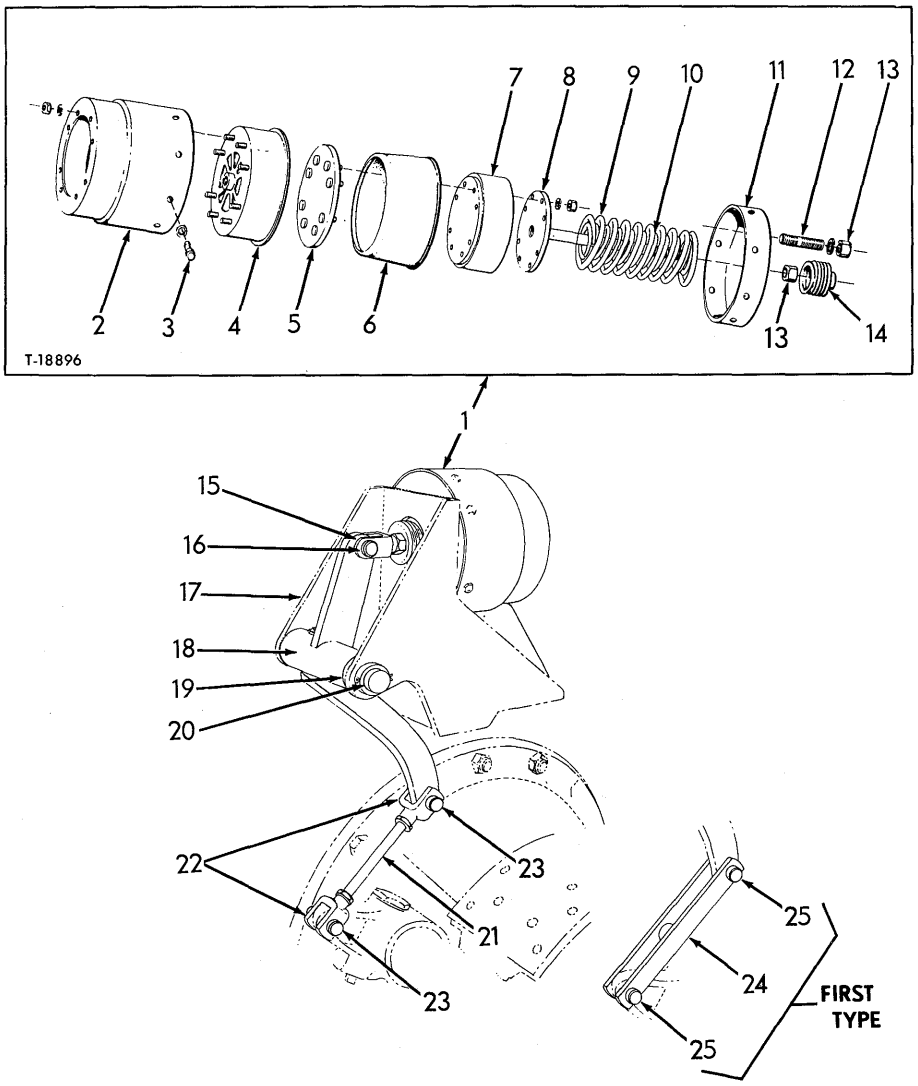
TRACTOR PROTECTION VALVE (Cont.)

ITEM	PART NO.	QTY.	DESCRIPTION	
	------	2	TUBE, nylon, 1/2" O.D. x 38" (order item 30)	Used prior to tractor serial no. 6667
	921526	2	CONNECTOR, male, 1/2" tube, 3/8" PT (includes NUT)	
	921527	2	ELBOW, male, 1/2" tube, 3/8" PT (includes NUT)	
	921781	4	NUT, 1/2" tube	
23	------	2	HOSE, 3/4" O.D. x 42" (order item 29)	Effective tractor serial no. 7218
	157473	4	COUPLING, hose (includes SLEEVE)	
	167687	4	SLEEVE, compression	
	901678	2	ELBOW, 90°, 3/8" PT	
	916657	1	NIPPLE, 3/8" x 3"	
	916641	1	NIPPLE, 3/8" x 1-1/2"	
24	------	1	TUBE, nylon, 1/2" O.D. x 60" (order item 30)	
	923917	1	CONNECTOR, male, 1/2" tube (includes NUT)	
	921526	1	CONNECTOR, male, 1/2" tube, 3/8" PT (includes NUT)	
	921781	2	NUT, 1/2" tube (includes non-serviceable ferrule)	
25	------	1	VALVE (See TREADLE BRAKE VALVE)	
26	------	1	TUBE, nylon, 1/2" O.D. x 60" (order item 30)	
	923711	1	ELBOW, male, 1/2" tube, 1/4" PT (includes NUT)	
	921527	1	ELBOW, male, 1/2" tube, 3/8" PT (includes NUT)	
	921781	2	NUT, 1/2" tube (includes non-serviceable ferrule)	
	------	1	TUBE, nylon	FIRST TYPE - replace with Second Type
	------	1	CONNECTOR, male, 3/8" tube, 1/4" PT	
	------	1	ELBOW, male, 3/8" tube, 3/8" PT	
27	------	1	TUBE, copper, 3/8" x 8" (order item 31)	SECOND TYPE
	917948	1	CONNECTOR, male, 3/8" tube, 1/4" PT (includes SLEEVE and NUT)	
	917949	1	ELBOW, male, 3/8" tube, 3/8" PT (includes SLEEVE and NUT)	
	917807	2	SLEEVE, 3/8" tube (rubber)	
	917810	2	NUT, 3/8" tube	
	913257	1	TEE, service, 3/8"	
28	184991	1	CLAMP	Used prior to tractor serial no. 6667
	916309	1	CAPSCREW, 1/2" NC x 3/4"	
	904208	1	LOCKWASHER, 1/2"	
	196766	1	STRAP (not illustrated) (effective tractor serial no. 7218 and up)	
29	178496	-	HOSE, 3/8" I.D. x 3/4", 50 ft. long	Use as required
30	192928	-	TUBING, nylon, 1/2" O.D. x 25 ft. long	
31	065053	-	TUBING, copper, 3/8" O.D. x 25 ft. long	



BRAKE AIR LINES

ITEM	PART NO.	QTY.	DESCRIPTION
1	------	1	VALVE (See TREADLE BRAKE VALVE)
2	------	1	TUBE, nylon, 1/2" O.D. x 60" (order item 7)
	923917	1	CONNECTOR, male, 1/2" tube (includes NUT)
	921526	1	CONNECTOR, male, 1/2" tube, 3/8" PT (includes NUT)
	921527	1	ELBOW, male, 1/2" tube, 3/8" PT (includes NUT)
3	------	1	VALVE, quick release (See page 215)
4	------	1	TUBE, nylon, 1/2" O.D. x 20" (order item 7)
	921526	1	CONNECTOR, male, 1/2" tube, 3/8" PT (includes NUT)
	921527	1	ELBOW, male, 1/2" tube, 3/8" PT (includes NUT)
	921781	2	NUT, 1/2" tube (includes non-serviceable ferrule)
5	------	1	TUBE, nylon, 1/2" O.D. x 25" (prior to tractor serial no. 6985, use 20" length) (order item 7)
	921526	1	CONNECTOR, male, 1/2" tube, 3/8" PT (includes NUT)
	921527	1	ELBOW, male, 1/2" tube, 3/8" PT (includes NUT)
	921781	2	NUT, 1/2" tube (includes non-serviceable ferrule)
6	------	2	ROTOCHAMBER, tractor brake (See BRAKE ROTOCHAMBER AND LINKAGE)
7	192928	-	TUBING, nylon, 1/2" O.D. x 25 ft. long (use as required)



BRAKE ROTOCHAMBER AND LINKAGE

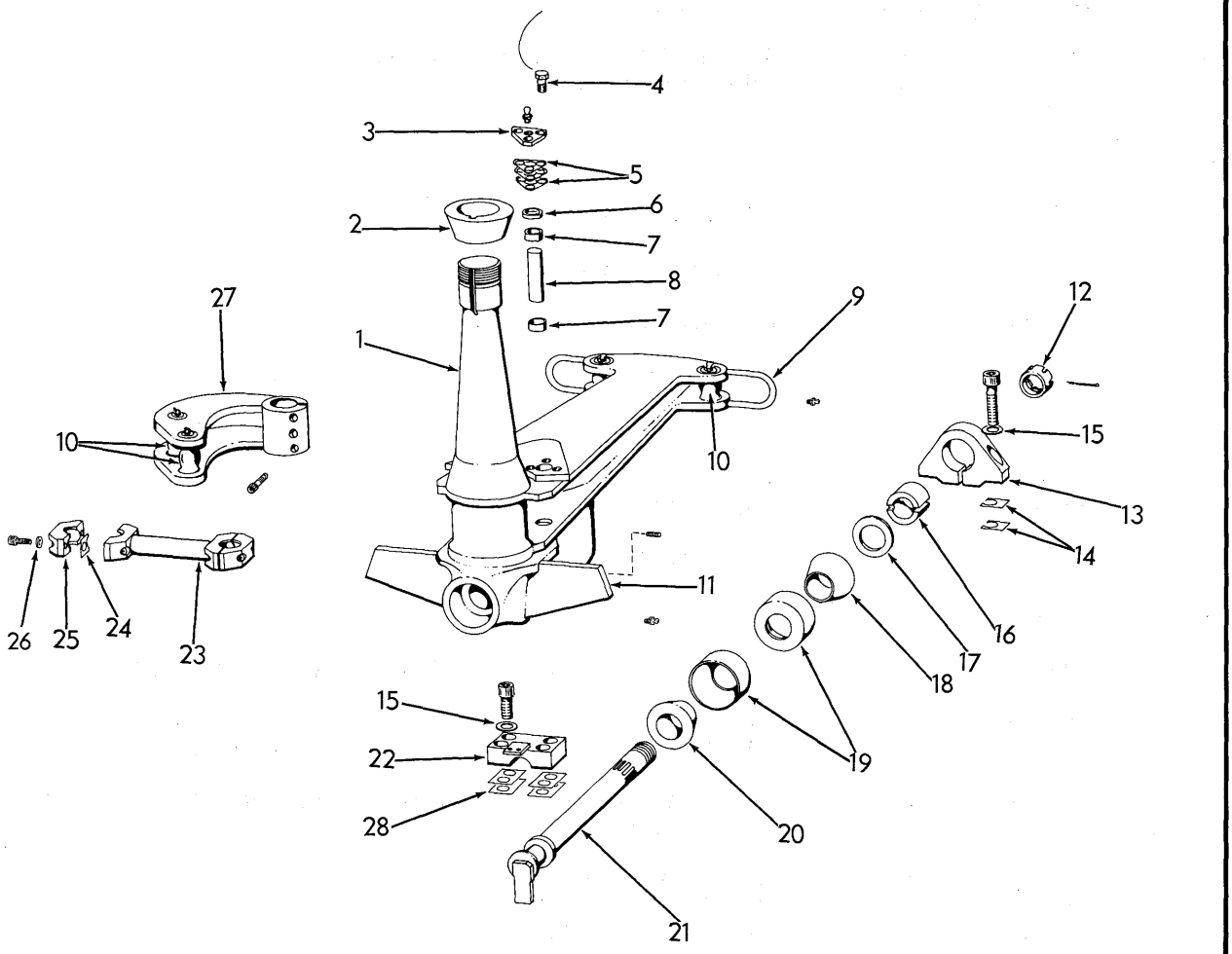
USAGE: Tractor - Quantities shown are sufficient for ONE Brake Only

ITEM	PART NO.	QTY.	DESCRIPTION
1	195897	1	ROTOCHAMBER ASSY., brake (includes items 2 thru 14)
2	167842	1	BODY, rotochamber
3	167850	8	CAPSCREW (3/8" x 5/8")
	906960	8	LOCKWASHER, int. tooth, 3/8"
4	167847	1	CLAMP ASSY., outer diaphragm (includes 8 STUDS)
	904205	8	LOCKWASHER, 5/16"
	910233	8	NUT, 5/16" NF

(Continued)

BRAKE ROTOCHAMBER AND LINKAGE

ITEM	PART NO.	QTY.	DESCRIPTION	
5	167843	1	CLAMP ASSY., inner diaphragm (includes 8 STUDS)	
	904204	8	LOCKWASHER, 1/4"	
	910337	8	NUT, 1/4" NF	
6	167707	1	DIAPHRAGM	
7	167844	1	GUIDE, diaphragm	
8	194985	1	ROD ASSY., push	
9	193928	1	SPRING, outer	
10	193927	1	SPRING, inner	
11	167849	1	COVER ASSY.	
12	167852	2	STUD	
	904369	2	LOCKWASHER, 3/4"	
13	910175	12	NUT, 3/4" NF	
14	167708	1	BOOT	
15	194067	1	CLEVIS (not included in ROTOCHAMBER ASSY.)	
16	167854	1	PIN, clevis	Not included in ROTOCHAMBER ASSY.
	910320	1	PIN, cotter, 5/32" x 1-1/2"	
17	------	2	SUPPORT, tractor brake rotochamber (See GEAR CASE and FRAME)	
18	179174	1	BELLCRANK, R.H.	
	179175	1	BELLCRANK. L.H.	
	915274	2	FITTING, lube, 45° x 1/8" PT	
19	164492	2	BEARING, flange	
20	173041	1	PIN	
	901345	1	PIN, cotter, 1/4" x 2-1/2"	
21	195378	1	ROD	Effective tractor serial no. 6299 and up
	910175	2	NUT, 3/4" NF	
22	194067	2	CLEVIS	
23	167854	2	PIN, link	
	910320	2	PIN, cotter, 5/32" x 1-1/2"	
24	179164	1	LINK ASSY. (welded)	Used prior to tractor serial no. 6299
25	161250	2	PIN, link	
	900808	2	PIN, cotter, 1/8" x 1/2"	



HITCH ASSEMBLY (FIRST TYPE)

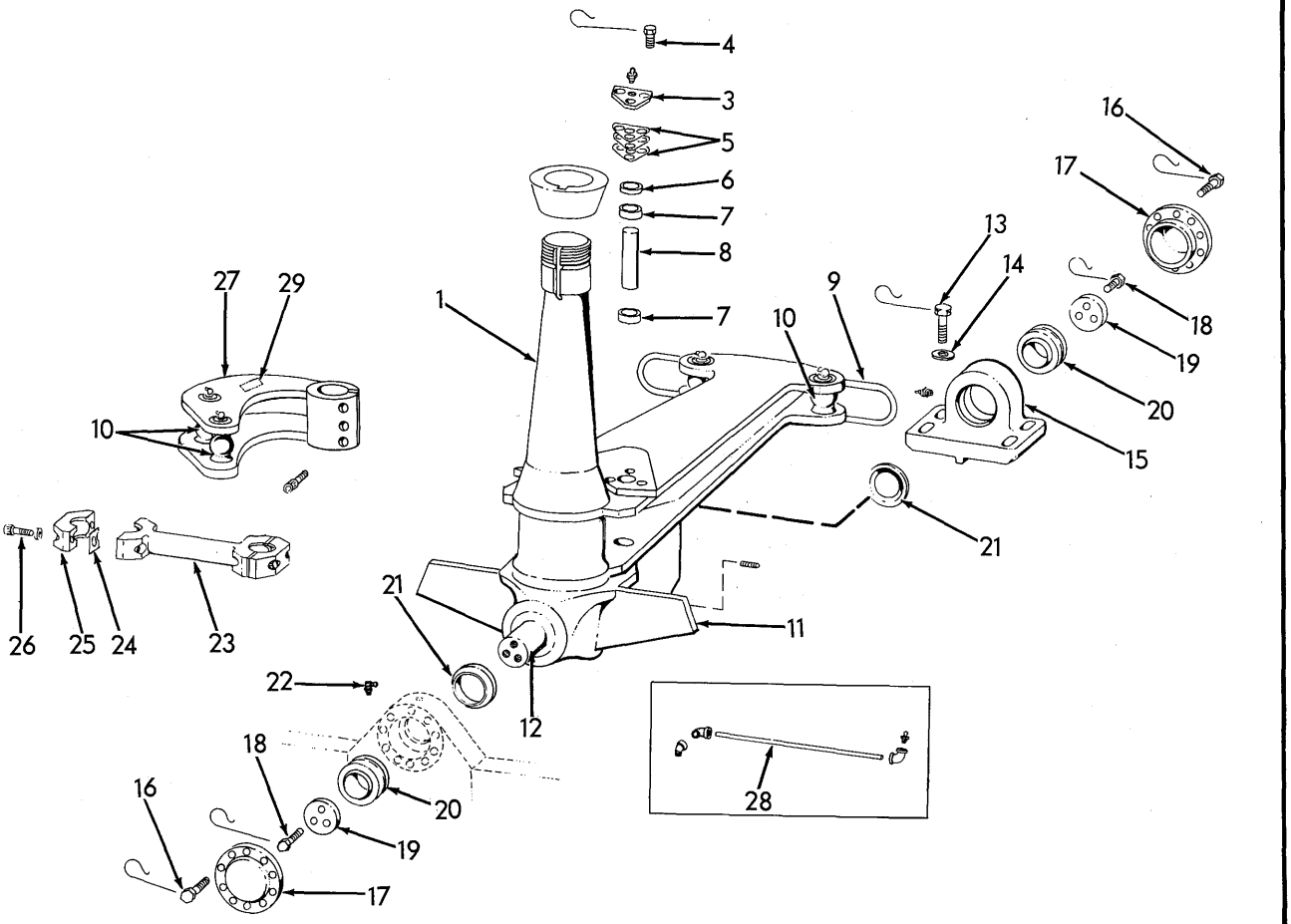
USAGE: Prior to tractor serial no. 6483

ITEM	PART NO.	QTY.	DESCRIPTION
1	191859	1	HITCH ASSY. (welded) (includes items 9, 10, 11)
	915276	2	FITTING, lube, 90°, 1/8" PT
	916615	1	FITTING, lube, str., 3/8" PT (FIRST TYPE)
	914465	2	FITTING, lube, str., 1/8" NPTF (SECCND TYPE)
2	------	1	CONE (See HYDRAULICS, TRACTOR SECTION)
3	191863	2	COVER, pivot pin
	915276	2	FITTING, lube, 90°, 1/8" PT
4	155511	6	CAPSCREW, drilled hd. (1/2" NC x 1-1/2")
	------	2	WIRE, locking, 16 ga. x 22" (obtain locally)
5	192535	28	SHIM
6	191861	2	SPACER

(Continued)

HITCH ASSEMBLY (FIRST TYPE) (Cont.)

ITEM	PART NO.	QTY.	DESCRIPTION
7	181605	4	BEARING, self-aligning
8	191862	2	PIN, swing arm
9	180213	2	GUARD, steering cylinder
10	185992	6	PIN, ball
11	178820	2	STOP, tilt
12	178811	1	NUT, slotted, hitch shaft
	914577	1	PIN, cotter, 1/2" x 5"
13	194033	1	BLOCK, pivot
	920665	2	CAPSCREW, socket hd., 1-1/2" NF x 3"
14	183898	4	SHIM, 1/16"
	182598	12	SHIM, 1/64"
15	194029	6	WASHER
16	186008	1	SPACER
17	180420	2	WASHER
18	178803	1	CONE, rear
19	195028	2	BEARING
20	178802	1	CONE, front
21	189156	1	SHAFT ASSY., hitch (includes item 20)
22	194030	1	CAP, hitch shaft
	920665	4	CAPSCREW, socket hd., 1-1/2" NF x 3"
23	191149	2	LINK ASSY. (welded)
24	178813	40	SHIM, 1/64"
	187209	48	SHIM, .005"
	180238	16	SHIM, .008"
25	178810	4	CAP, link
26	194032	8	WASHER, plain
	923542	8	CAPSCREW, 12 pt. nylok, 1" NF x 2-1/2"
27	191860	2	ARM ASSY., swing (includes item 10)
	915276	4	FITTING, lube, 90°, 1/8" PT
	923522	6	CAPSCREW, 12 pt., nylok
28	194028	8	SHIM
	194027	4	SHIM



HITCH ASSEMBLY (SECOND TYPE)

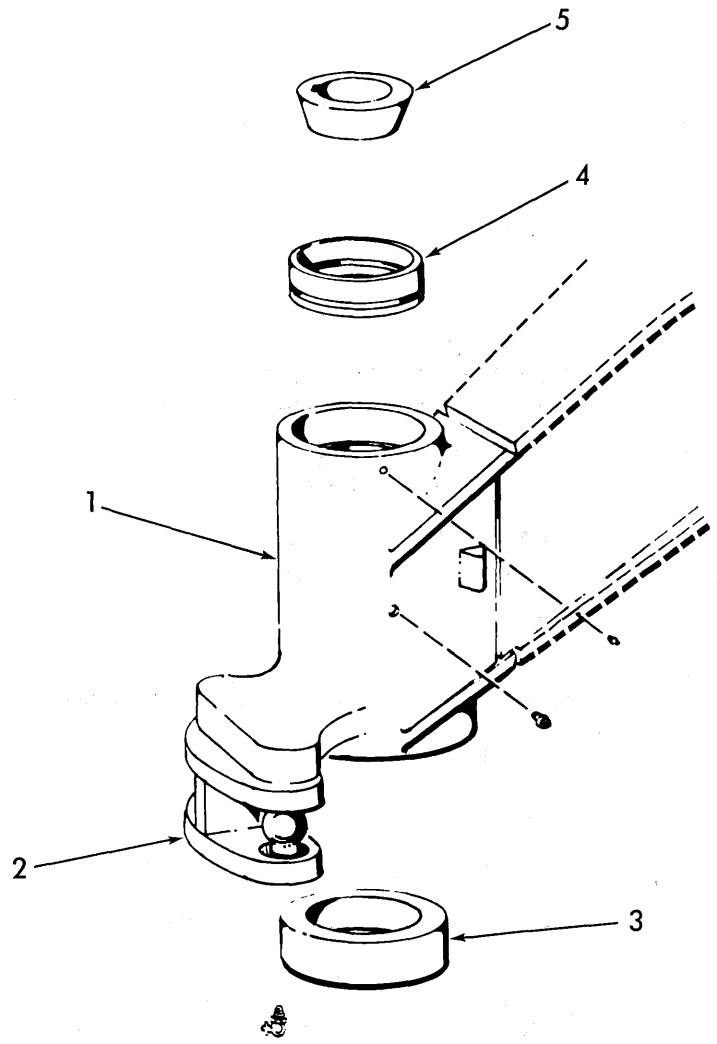
USAGE: Effective tractor serial no. 6483 and up

ITEM	PART NO.	QTY.	DESCRIPTION
1	195573	1	HITCH ASSY. (welded) (includes items 9, 10, 11, 12)
	915276	2	FITTING, lube, 90°, 1/8" PT
	914465	2	FITTING, lube, str., 1/8" NPTF
2	------	1	CONE (See page 251)
3	191863	2	COVER, pivot pin
	915276	2	FITTING, lube 90°, 1/8" PT
4	155511	6	CAPSCREW, drilled hd. (1/2" NC x 1-1/2")
	------	2	WIRE, locking, 16 ga. x 22" (obtain locally)
5	192535	28	SHIM
6	191861	2	SPACER
7	181605	4	BEARING, self-aligning

(Continued)

HITCH ASSEMBLY (SECOND TYPE) (Cont.)

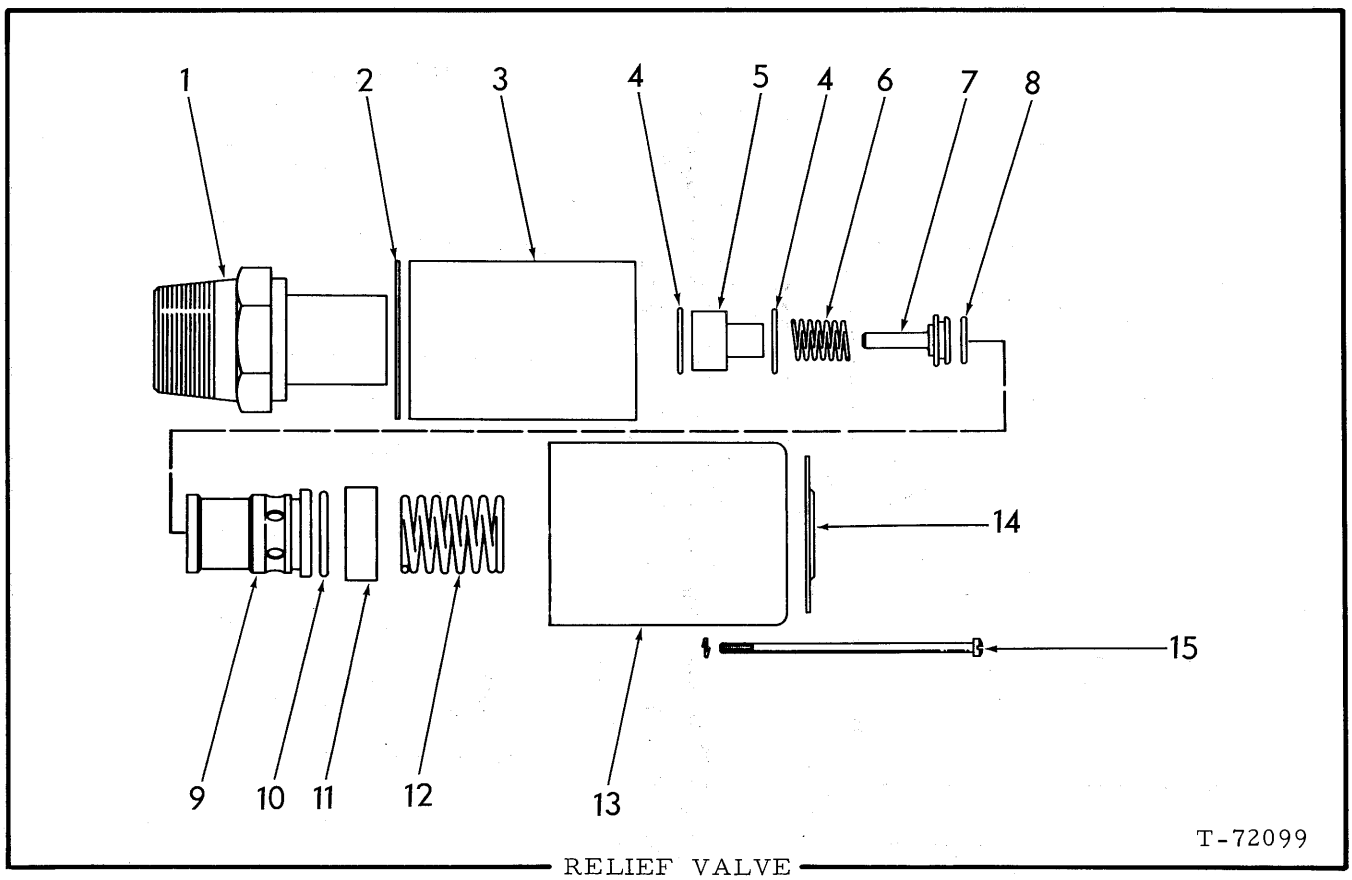
ITEM	PART NO.	QTY.	DESCRIPTION	
8	191862	2	PIN, swing arm	
9	180213	2	GUARD, steering cylinder	
10	185992	6	PIN, ball	
11	178820	2	STOP, tilt	
12	195575	2	PIN	
13	195567	4	CAPSCREW (1-1/8" NC x 3")	
14	195568	4	WASHER (1-3/16" I. D.)	
	------	2	WIRE, locking, 16 ga. x 15" (obtain locally)	
15	195565	1	HOUSING, bearing	
	914465	1	FITTING, lube str., 1/8" NPTF	
16	195569	20	CAPSCREW (5/8" NC x 2")	
	------	10	WIRE, locking, 16 ga. x 7-1/2" (obtain locally)	
17	194411	2	CAP	
18	195570	6	CAPSCREW (3/4" NC x 2-1/4")	
	------	2	WIRE, locking, 16 ga. x 7-1/2" (obtain locally)	
19	194410	2	PLATE	
20	194409	2	BEARING	
21	195571	2	SPACER	
22	915276	1	FITTING, lube, 90°, 1/8" PT (used prior to tractor serial no. 6996)	
23	191149	2	LINK ASSY. (welded) (used prior to tractor serial no. 6883)	
	196106	2	LINK (effective tractor serial no. 6883 and up)	
24	178813	40	SHIM, 1/64"	
	187209	48	SHIM, .005"	
	180238	16	SHIM, .008"	
25	178810	4	CAP, link	
26	194032	8	WASHER, plain	
	923542	8	CAPSCREW, 12 pt. nylok, 1" NF x 2-1/2"	
27	191860	2	ARM ASSY., swing (includes item 10)	
	915276	4	FITTING, lube, 90°, 1/8" PT	
	923522	6	CAPSCREW, 12 pt., nylok	
28	196258	1	PIPE, lube	Welded to Tractor Frame, effective tractor serial no. 6996
	907059	2	ELBOW, street, 90°, 1/8"	
	901676	1	ELBOW, pipe, 90°, 1/8"	
	914465	1	FITTING, lube, str., 1/8" NPTF	
29	195696	1	TRANSFER, "Warning", Stop Block Setting	



T-72095

SCRAPER PEDESTAL

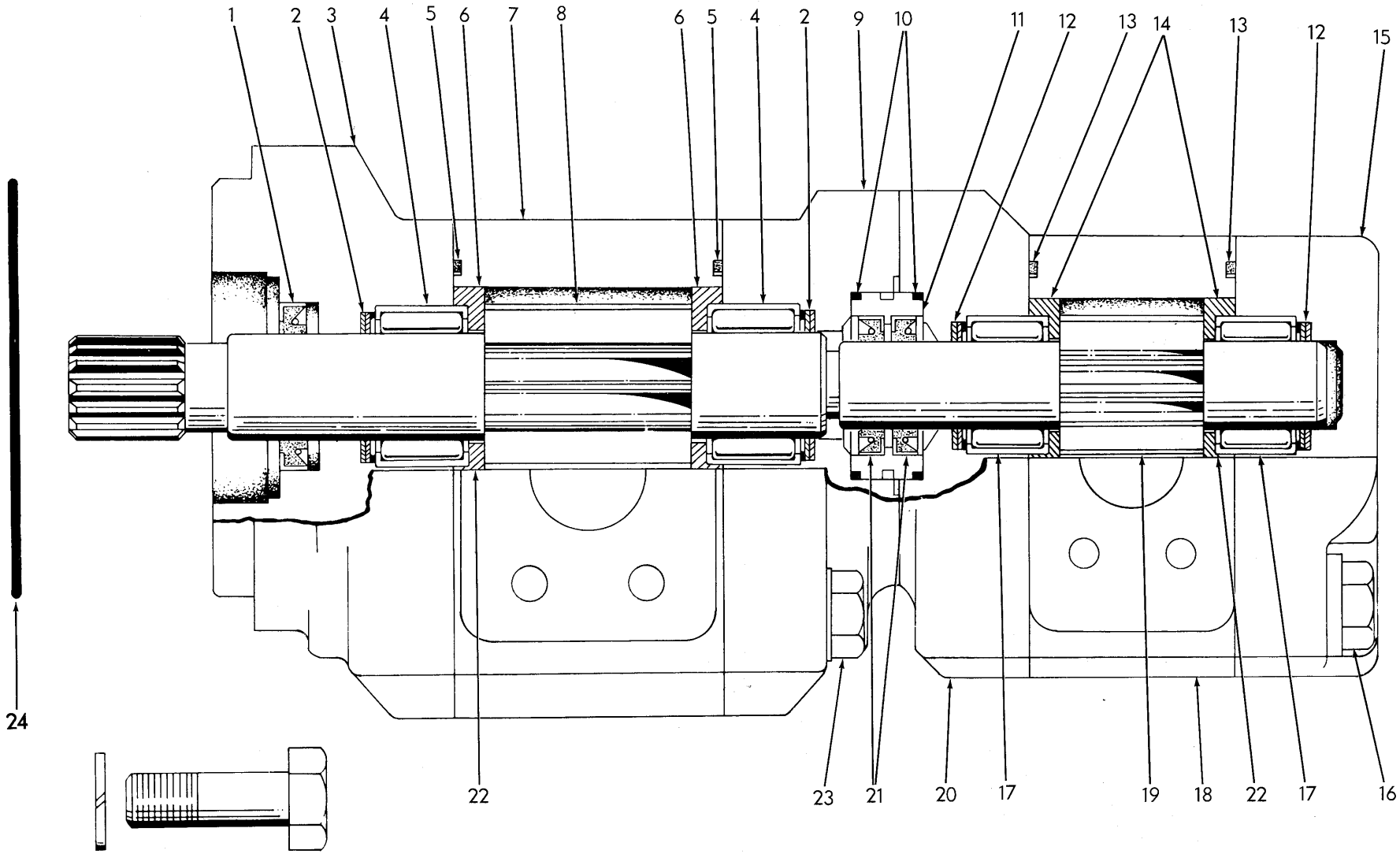
ITEM	PART NO.	QTY.	DESCRIPTION
1	184319	1	PEDESTAL ASSY. (welded) (includes item 2) (included in Scraper Yoke)
	914465	1	FITTING, lube, str., 1/8" PT
	916615	1	FITTING, lube, str., 3/8" PT
	915276	2	FITTING, lube, 90°, 1/8" PT (Pedestal Pins)
2	183283	1	PIN ASSY. (welded)
3	195021	1	BEARING, lower pedestal
4	194226	1	BEARING, upper pedestal
5	------	1	CONE (See page 250)



RELIEF VALVE

USAGE: See page 240

ITEM	PART NO.	QTY.	DESCRIPTION
-	192827	1	VALVE ASSY., relief (includes items 1 thru 16)
1	196120	1	BODY
2	196129	1	WASHER
3	196121	1	FILTER
4	196130	2	LOCK RING
5	196123	1	GUIDE
6	196126	1	SPRING, poppet
7	196124	1	POPPET
8	196132	1	SEAL, poppet
9	196122	1	SLEEVE
10	196131	1	SEAL, sleeve
11	196135	1	RETAINER
12	196125	1	SPRING, sleeve
13	196133	1	COVER
14	196127	1	CAP, end
15	196128	2	SCREW
	196134	2	LOCKWASHER
16	196136	1	TRANSFER, instruction (not illustrated)

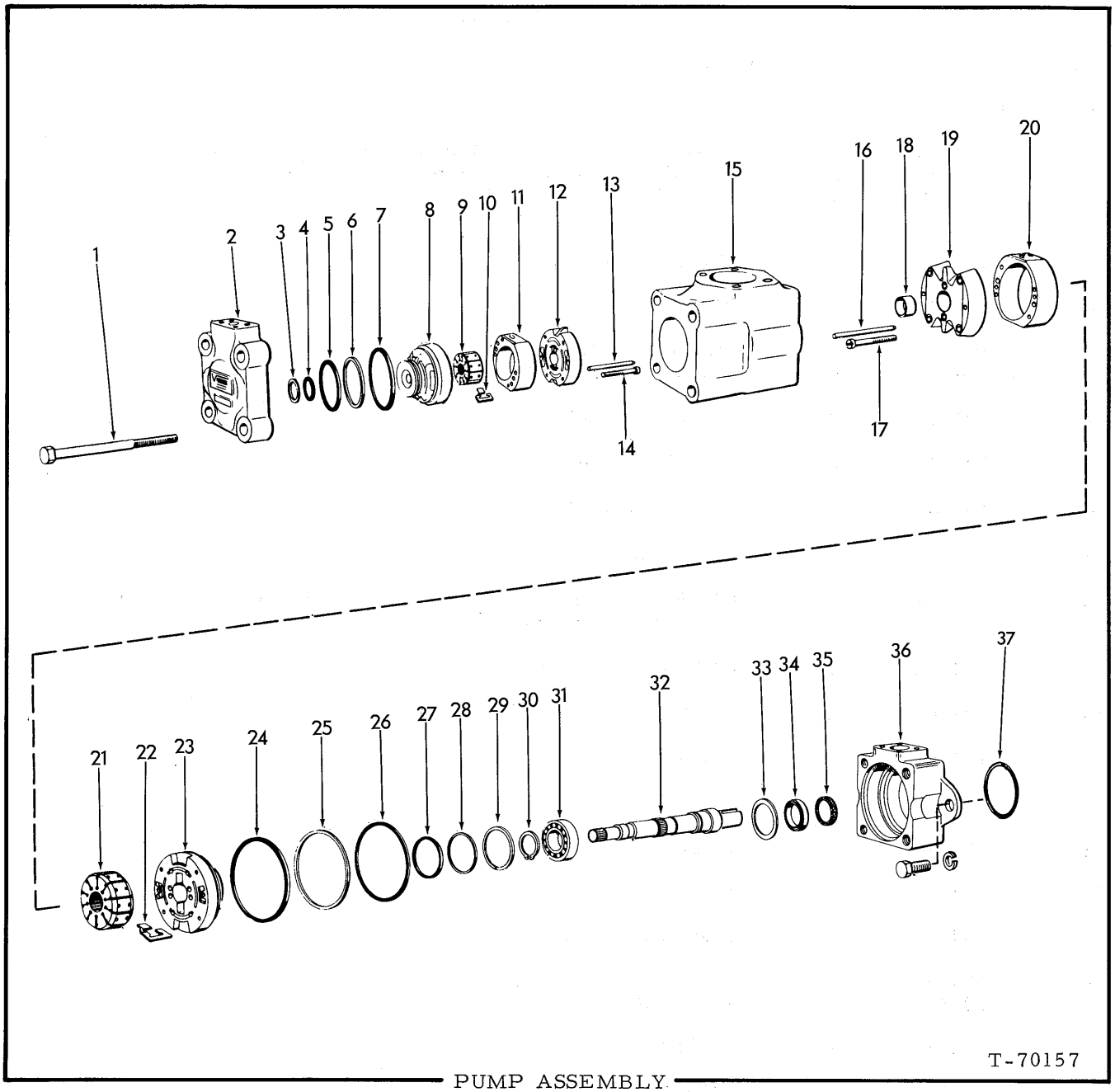


PUMP ASSEMBLY

PUMP ASSEMBLY

USAGE: Steering Hydraulics and Transmission Filter - T260E

ITEM	PART NO.	QTY.	DESCRIPTION
-	193668	1	PUMP ASSY,, tandem (includes items 1 thru 23)
	920542	2	CAPSCREW, nylok, 5/8" NC x 1-3/4"
	904209	2	LOCKWASHER, 5/8"
1	194300	1	SEAL, double lip
2	194301	4	RING, seal
3	194302	1	COVER, shaft end
	194324	4	SCREW, set (not illustrated)
4	194303	4	BEARING, roller
5	194304	2	GASKET, seal
6	194305	2	PLATE, thrust
7	194306	1	HOUSING, gear
8	194307	1	GEAR SET (includes Drive Gear and Driven Gear - not serviced separately)
9	194308	1	COVER, port end
10	195560	2	SEAL, square
11	195561	1	RETAINER, seal
12	194320	4	RING, seal
13	194318	2	GASKET, seal
14	194317	2	PLATE, thrust
15	194321	1	COVER, port end
16	194330	4	CAPSCREW
	194329	4	WASHER
17	194319	4	BEARING, roller
18	194315	1	HOUSING, gear
19	194316	1	GEAR SET (includes Drive Gear, and Driven Gear - not serviced separately)
20	194314	1	COVER, shaft end
	194310	2	STUD } Not Illustrated
	194311	4	LOCKWASHER } Not Illustrated
	194312	4	NUT } Not Illustrated
21	194313	2	SEAL, double lip
22	194325	24	SEAL, pocket
23	194322	4	WASHER
	194327	2	CAPSCREW
	194323	2	CAPSCREW (not illustrated)
24	923591	1	O-RING, 5"



PUMP ASSEMBLY

USAGE: Scraper Hydraulics - T260E

ITEM	PART NO.	QTY.	DESCRIPTION
-	193665	1	PUMP ASSY., tandem (includes items 1 thru 36)
	920542	2	CAPSCREW, nylok, 5/8" NC x 1-3/4"
	904209	2	LOCKWASHER, 5/8"
1	194926	4	BOLT
2	194928	1	COVER

(Continued)

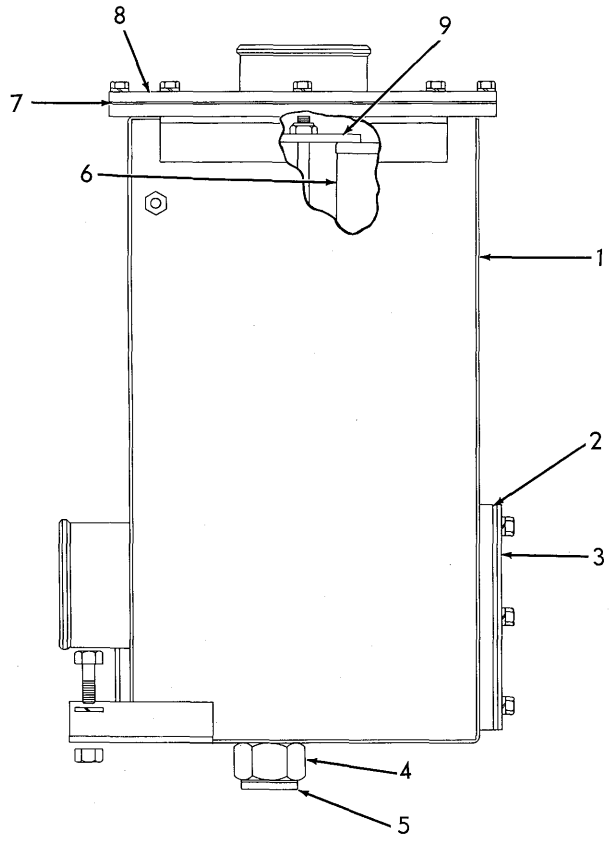
PUMP ASSEMBLY (Cont.)

ITEM	PART NO.	QTY.	DESCRIPTION	
3	------	1	RING, back-up	Not serviced separately - order item 38 or 39
4	------	1	O-RING	
5	------	1	O-RING	
6	------	1	RING, back-up	
7	------	1	O-RING	
8	194921	1	PLATE, pressure	Refer to item 39
9	194923	1	ROTOR	
10	194936	1	VANE KIT (includes 10 Vanes and 10 Inserts)	
11	194919	1	RING	Refer to item 39
12	194920	1	PLATE, wear	
13	194931	2	PIN	
14	194933	2	SCREW	
15	194927	1	HOUSING, inlet	Refer to item 40
16	194914	2	PIN	
17	194934	2	SCREW	
18	194913	1	BUSHING	
19	194918	1	PLATE ASSY., wear (includes BUSHING) (used prior to tractor serial no. 6970)	
	196671	1	PLATE ASSY., wear (includes BUSHING) (effective tractor serial no. 6970)	
20	194916	1	RING (used prior to tractor serial no. 6970)	
	196672	1	RING (effective tractor serial no. 6970 and up)	
21	194922	1	ROTOR	
22	194937	1	VANE KIT (includes 10 Vanes and 10 Inserts)	
23	194917	1	PLATE, pressure (used prior to tractor serial no. 6970)	
	196673	1	PLATE, pressure (effective tractor serial no. 6970)	
24	------	1	O-RING	Not serviced separately - order item 38
25	------	1	RING, back-up	
26	------	1	O-RING	
27	------	1	O-RING	
28	------	1	RING, back-up	

(Continued)

PUMP ASSEMBLY (Cont.)

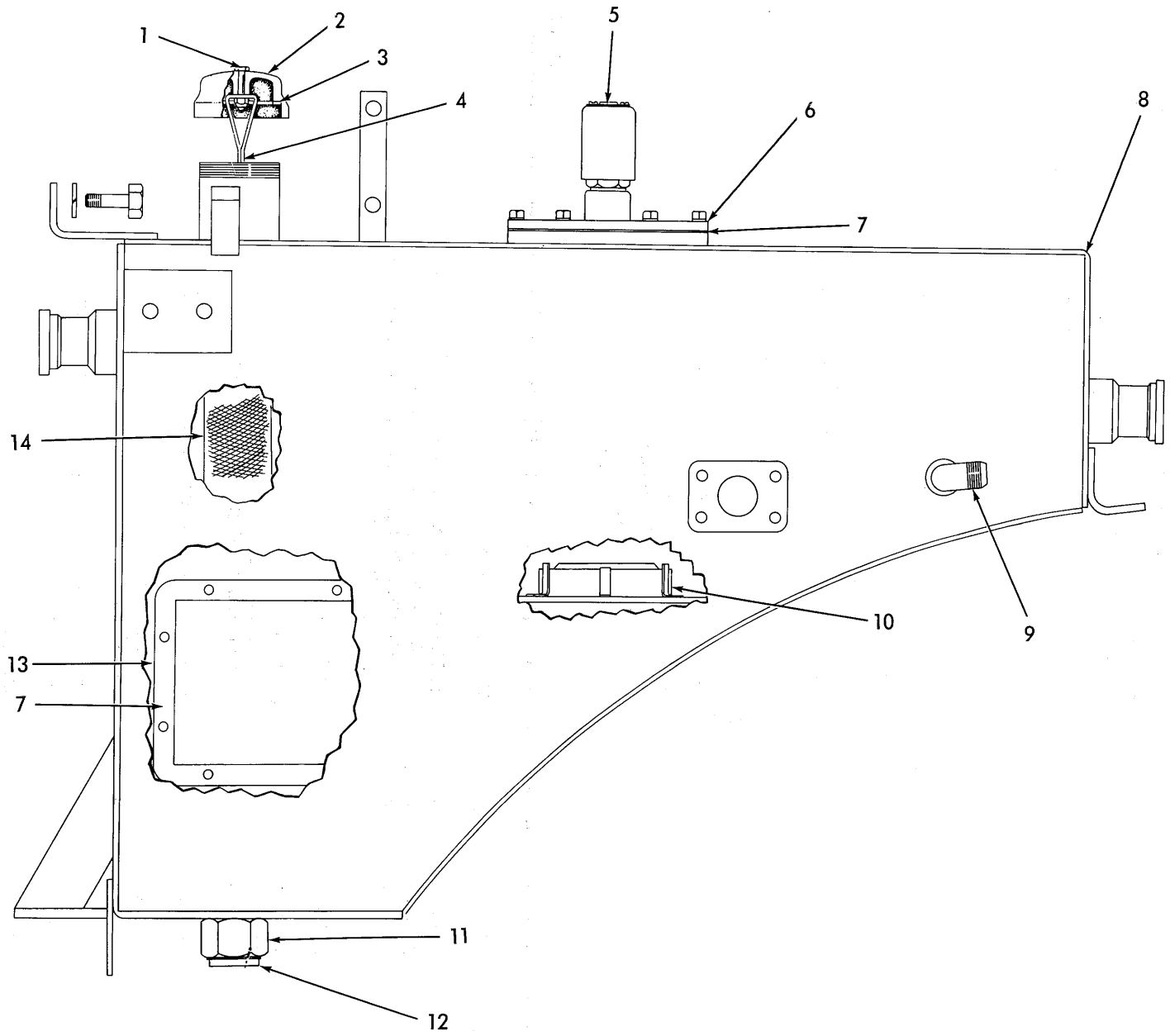
ITEM	PART NO.	QTY.	DESCRIPTION
29	194908	1	RING, snap
30	194900	1	RING, snap
31	194901	1	BEARING
32	194932	1	SHAFT
33	194909	1	WASHER
34	------	1	SEAL } Not serviced separately - order item 38
35	------	1	WIPER }
36	194910	1	BODY
37	923592	1	O-RING, 5-3/8" I. D. (not included in Pump Assembly)
38	194939	1	SEAL KIT (includes items 3 thru 7, 24 thru 28, 34, 35)
39	194940	1	CARTRIDGE KIT (includes items 8 thru 14) (used prior to tractor serial no. 6970)
	197599	1	CARTRIDGE KIT (includes items 3 thru 14) (effective tractor serial no. 6970)
40	196660	1	CARTRIDGE KIT (includes items 16 thru 23)



T-70166

AUXILIARY RESERVOIR

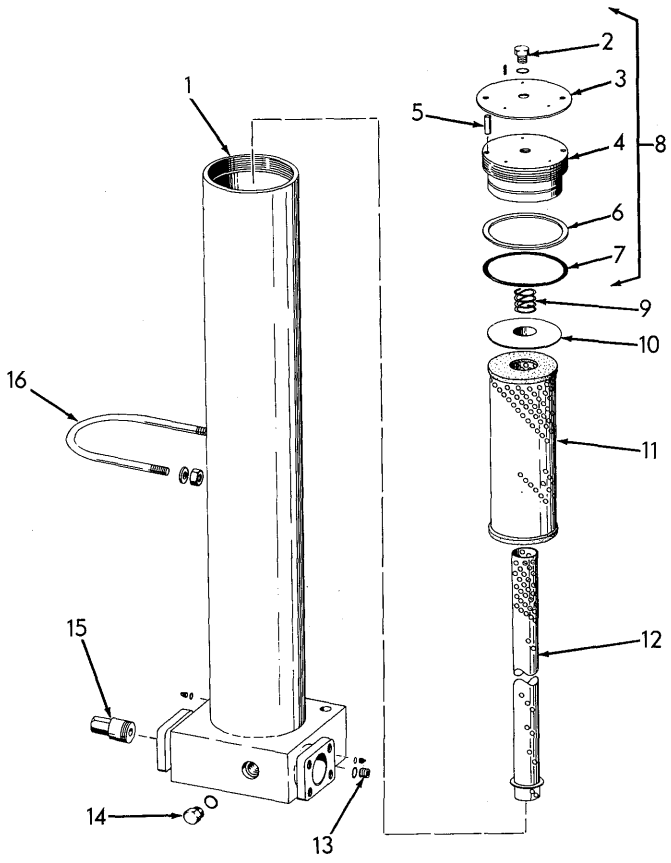
ITEM	PART NO.	QTY.	DESCRIPTION
1	195491	1	MANIFOLD ASSY., hydraulic (welded)
	916271	2	CAPSCREW, 3/8" NC x 1"
	918226	2	LOCKWASHER, dome, ext. tooth, 3/8"
	910324	2	NUT, 3/8" NC
2	195435	1	GASKET
3	189241	1	COVER
	921966	6	CAPSCREW, cd. pltd., 3/8" NC x 7/8"
	916965	6	LOCKWASHER, pltd., 3/8"
4	916555	1	NUT, 1-1/2" NF (welded to Manifold)
5	035250	1	PLUG, drain
	035249	1	GASKET, drain plug
6	195550	3	STRAINER ASSY. (includes O-RING)
	923936	3	O-RING
7	195551	1	GASKET
8	195498	1	COVER ASSY. (welded)
	912966	10	CAPSCREW, cd. pltd., 3/8" NC x 7/8"
	916965	10	LOCKWASHER, pltd., 3/8"
9	195499	1	BAR, hold down
	915891	1	NUT, elastic stop, 3/8" NC



HYDRAULIC RESERVOIR

HYDRAULIC RESERVOIR

ITEM	PART NO.	QTY.	DESCRIPTION
1	103023	1	CAPSCREW
	916590	1	NUT, elastic stop, 1/4" NF
2	193649	1	CAP
3	196515	1	GASKET, cap
4	192835	1	DIPSTICK
5	------	1	VALVE ASSY., relief (See page 233)
6	195100	1	COVER ASSY. (welded)
	921966	10	CAPSCREW, cd. pltd., 3/8" NC x 7/8"
	916965	10	LOCKWASHER, pltd., 3/8"
7	194208	2	GASKET
8	194205	1	RESERVOIR ASSY., hydraulic (includes items 1 thru 4, 6, 7, 10 thru 14)
	916310	2	CAPSCREW, 1/2" NC x 1"
	904208	2	LOCKWASHER, 1/2"
	900818	7	WASHER, plain, 1/2" I. D.
9	922472	1	ELBOW, female, 5/8" tube, 1/2" PT (welded to Reservoir)
10	185202	2	MAGNET
11	916555	1	NUT, 1-1/2" NF (welded to Reservoir)
12	035250	1	PLUG, drain
	035249	1	GASKET, plug
13	194209	1	COVER ASSY. (welded)
	921966	10	CAPSCREW, cd. pltd., 3/8" NC x 7/8"
	916965	10	LOCKWASHER, pltd., 3/8"
14	190838	1	STRAINER (prior to tractor serial no. 6967)
	195726	1	STRAINER (effective tractor serial no. 6967)



T-38066-A

HYDRAULIC FILTER

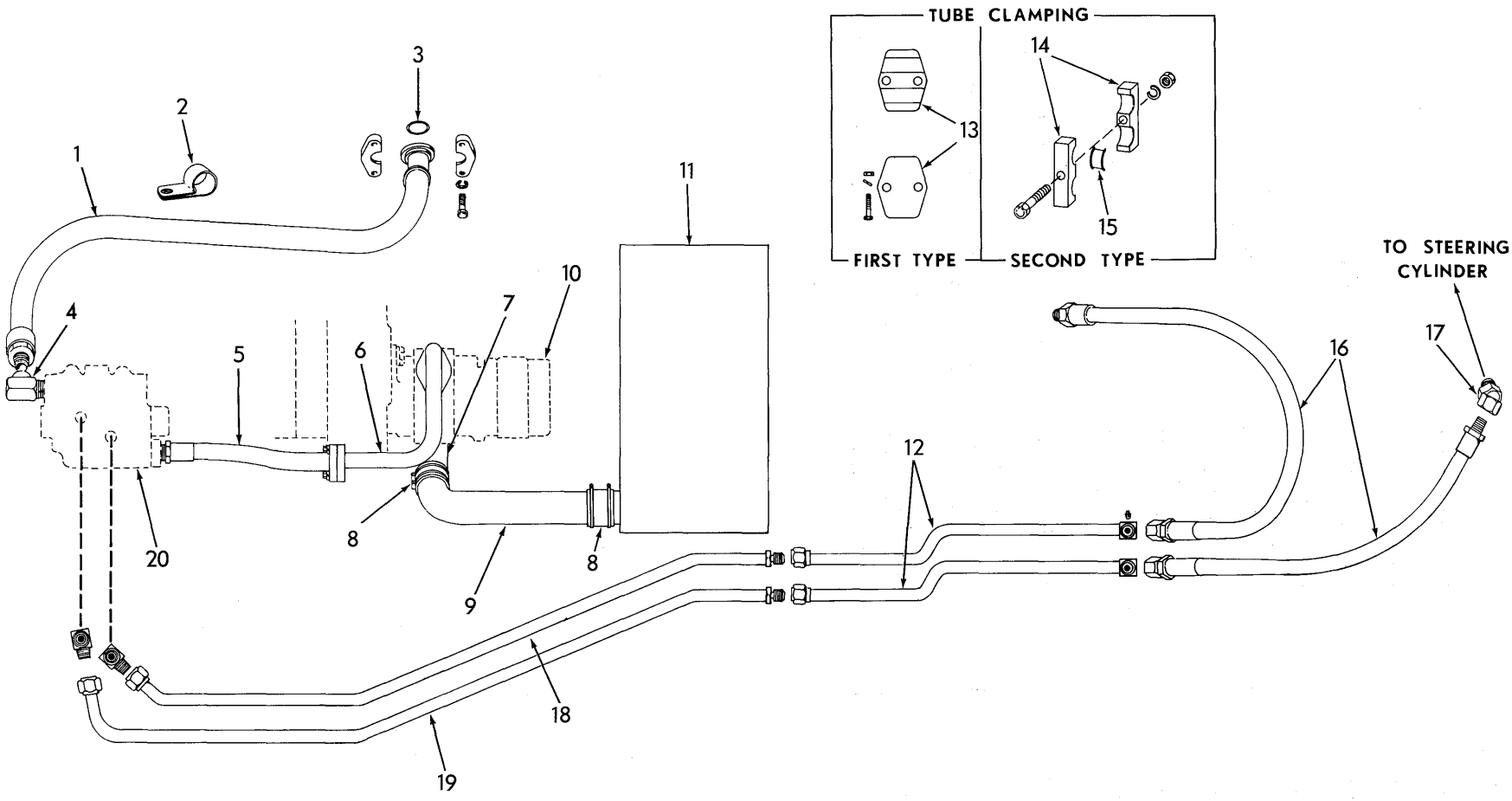
ITEM	PART NO.	QTY.	DESCRIPTION	
-	195062	1	FILTER ASSY., hydraulic (includes items 1 thru 15)	
	195486	-	SHIM (use as required)	
	916265	2	CAPSCREW, 5/8" NC x 4-1/2"	
	904209	2	LOCKWASHER, 5/8"	
	910308	2	NUT, 5/8" NC	
	900819	2	WASHER, plain, U.S.S. std., 5/8"	
1	------	1	BODY ASSY. (welded) (not serviced separately - order complete Filter Assy.)	
	923166	2	PLUG ASSY., hex hd., 1/4" - includes O-RING)	FIRST TYPE
	921883	2	O-RING	FIRST TYPE
2	923166	1	PLUG ASSY., hex hd., 1/4" (includes O-RING)	
	921883	1	O-RING	
	197555	1	ADAPTER, test gauge (not illustrated) (not included in Filter Assy.)	
3	195065	1	PLATE, name	
	195064	3	STUD	
4	------	1	PLUG (not serviced separately - order item 8)	
5	189094	2	PIN, groove	

(Continued)

HYDRAULIC FILTER (Cont.)

ITEM	PART NO.	QTY.	DESCRIPTION
6	193835	1	WASHER, back-up (leather)
7	923992	1	O-RING
8	195063	1	PLUG ASSY. (includes items 2 thru 7)
9	189097	1	SPRING, compression
10	191918	1	PLATE, compression spring
11	190020	3	ELEMENT, filter
12	189098	1	TUBE, center
13	190155	1	PLUG ASSY., hex ctsk. (includes O-RING)
	921349	1	O-RING
14	189090	1	PLUG ASSY., hex hd. (includes O-RING)
	921349	1	O-RING
15	191909	1	VALVE ASSY., relief (includes Ball, Spring and Retainer - serviced only as a unit)
16	188642	1	U-BOLT
	904208	2	LOCKWASHER, 1/2"
	910325	2	NUT, 1/2" NC

} Not included in Filter Assy.

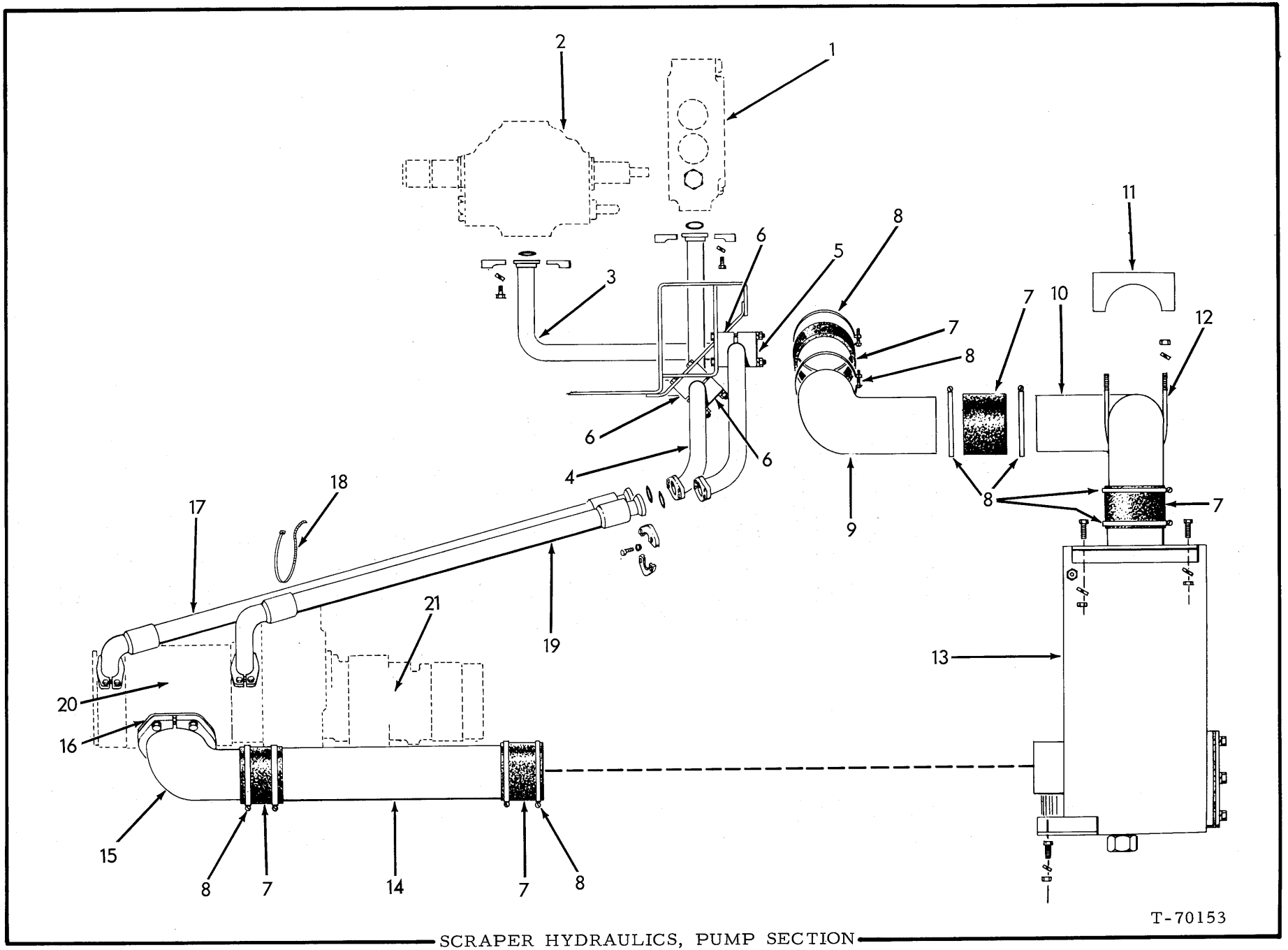


T-70158

STEERING HYDRAULICS

STEERING HYDRAULICS

ITEM	PART NO.	QTY.	DESCRIPTION	
1	194250	1	HOSE, return (See HOSE PARTS)	
	921118	2	FLANGE, split, #24	
	915987	4	CAPSCREW, 1/2" NC x 1-1/2"	
	904208	4	LOCKWASHER, 1/2"	
2	195919	1	CLAMP, hose	
3	923578	1	O-RING	
4	179270	1	UNION, adapter, 90°, male, 1-1/4" NPTF	
5	192820	1	HOSE, valve supply (See HOSE PARTS)	
	921117	2	FLANGE, split, #20	
	923664	1	O-RING	
	916197	2	CAPSCREW, 7/16" NC x 1-1/4"	
	904207	2	LOCKWASHER, 7/16"	
6	196791	1	TUBE ASSY. (welded)	
	921117	2	FLANGE, split, #20	
	923664	1	O-RING	
	916197	2	CAPSCREW, 7/16" NC x 1-1/4"	
	904207	2	LOCKWASHER, 7/16"	
7	194065	1	ELBOW, pump connection	
	193674	1	GASKET, elbow (not illustrated)	
	916311	4	CAPSCREW, 1/2" NC x 1-1/4"	
	904208	4	LOCKWASHER, 1/2"	
8	192816	2	HOSE	
	164738	4	CLAMP, hose	
9	194069	1	ELBOW	
10	------	1	PUMP ASSY., tandem (See page 235)	
11	------	1	MANIFOLD ASSY. (See page 239)	
12	185719	2	TUBE ASSY. (welded)	
	901652	2	PLUG, pipe, 1/4"	
13	180793	4	CLAMP (two-bolt)	Used prior to tractor serial no. 7218
	916318	4	CAPSCREW, 1/2" NC x 3-1/4"	
	904208	4	LOCKWASHER, 1/2"	
	910325	4	NUT, 1/2" NC	
14	196612	4	CLAMP (single-bolt)	Effective tractor serial no. 7218 and up
	916318	2	CAPSCREW, 1/2" NC x 3-1/4"	
	904208	2	LOCKWASHER, 1/2"	
	910325	2	NUT, 1/2" NC	
15	196949	8	CHANNEL (rubber)	
16	189592	2	HOSE (See HOSE PARTS)	
17	175152	2	UNION, adapter, 45° (at cylinder base)	
18	193921	1	TUBE ASSY. (upper)	
	920686	1	ELBOW, male, 90°, 1" PT	
19	185717	1	TUBE ASSY. (lower)	
	920686	1	ELBOW, male, 90°, 1" PT	
20	------	1	VALVE ASSY., steering (See page 256)	



SCRAPER HYDRAULICS, PUMP SECTION

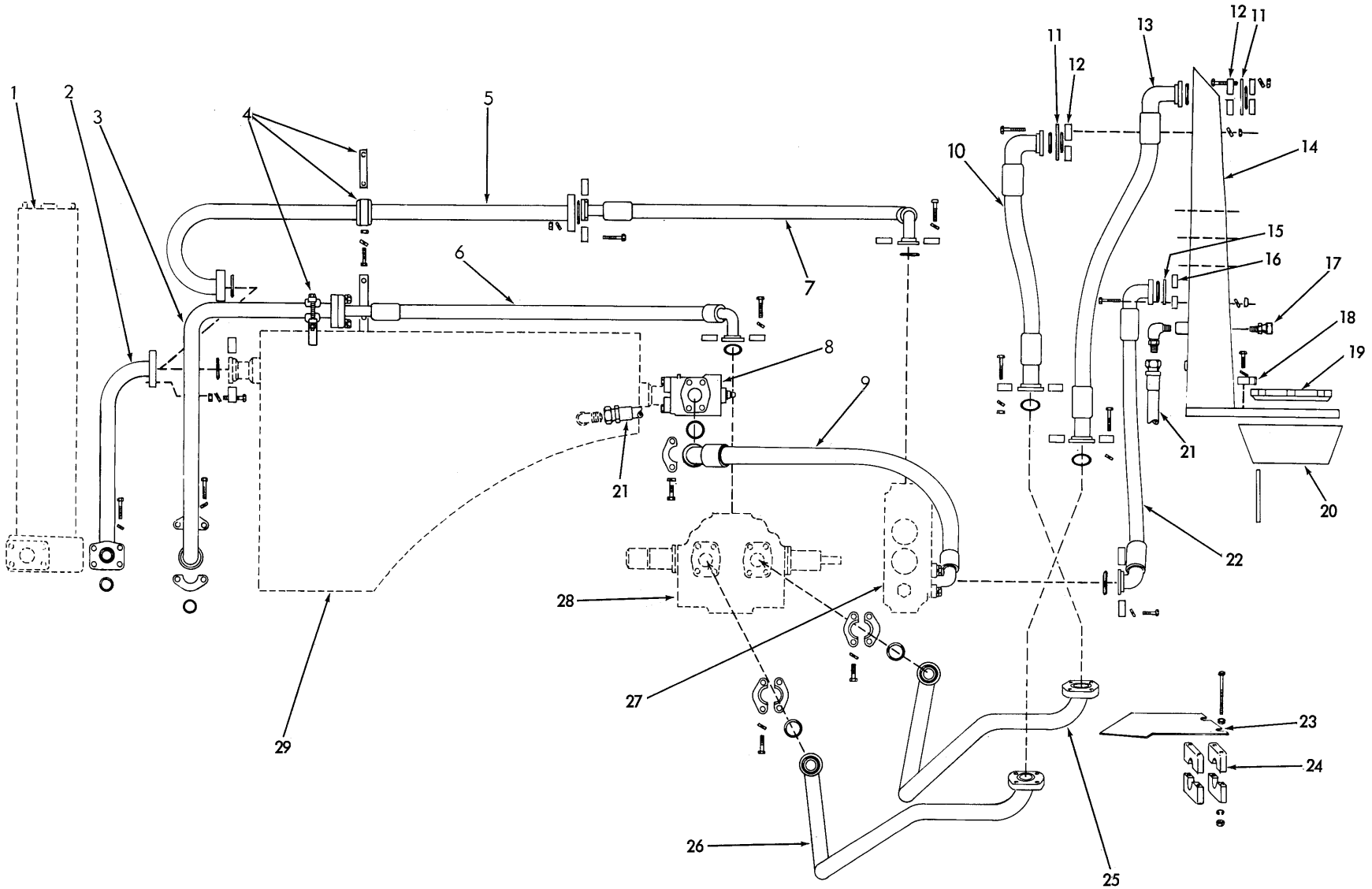
SCRAPER HYDRAULICS, PUMP SECTION

ITEM	PART NO.	QTY.	DESCRIPTION
1	------	1	VALVE ASSY., scraper (See page 258)
2	------	1	VALVE ASSY., motor (See page 262)
3	194264	1	TUBE ASSY. (prior to tractor serial no. 7222, also order 4 - 916315 Capscrews, 910325 Nuts)
	923664	1	O-RING (1-1/2" I. D.) (at valve)
	921117	2	FLANGE, split, #20
	916197	4	CAPSCREW, 7/16" NC x 1-1/4"
	904207	4	LOCKWASHER, 7/16"
4	194263	1	TUBE ASSY. (prior to tractor serial no. 7222, also order 4 - 916256 Capscrews, 912201 Nuts)
	923664	1	O-RING (1-1/2" I. D.) (at valve)
	921117	2	FLANGE, split, #20
	916197	4	CAPSCREW, 7/16" NC x 1-1/4"
	904207	4	LOCKWASHER, 7/16"
5	197819	1	CLAMP, tube
6	195024	3	CLAMP, tube
	919801	4	CAPSCREW, 3/8" NC x 4"
	922464	4	WASHER, plain, 13/32"
	904206	4	LOCKWASHER, 3/8"
	910324	4	NUT, 3/8" NC
7	192822	5	HOSE
8	164738	10	CLAMP
9	194295	1	TUBE
10	194271	1	TUBE
11	194272	2	CLAMP
12	194273	2	U-BOLT
	904206	4	LOCKWASHER, 3/8"
	910324	4	NUT, 3/8" NC
13	------	1	RESERVOIR, auxiliary (See page 239)
14	192821	1	TUBE
15	193673	1	ELBOW
	913827	4	CAPSCREW, 5/8" NC x 1-1/4"
16	193675	1	GASKET
17	194254	1	HOSE (See HOSE PARTS)
	923664	2	O-RING
	921117	4	FLANGE, split, #20
	916197	4	CAPSCREW, 7/16" NC x 1-1/4" } At Pump End
	904207	4	LOCKWASHER, 7/16" } At Pump End
	916197	4	CAPSCREW, 7/16" NC x 1-1/4" } At Tube end, prior to tractor serial no. 7222
	904207	4	LOCKWASHER, 7/16" } At Tube end, prior to tractor serial no. 7222
	916256	4	CAPSCREW, 7/16" NC x 2-1/4" } At Tube end, effective tractor serial no. 7222
	904207	4	LOCKWASHER, 7/16" } At Tube end, effective tractor serial no. 7222
	912201	4	NUT, 7/16" NC } At Tube end, effective tractor serial no. 7222

(Continued)

SCRAPER HYDRAULICS, PUMP SECTION

ITEM	PART NO.	QTY.	DESCRIPTION	
18	196766	1	STRAP, lock	
19	194255	1	HOSE (See HOSE PARTS)	
	923578	2	O-RING	
	921118	4	FLANGE, split, #24	
	916311	4	CAPSCREW, 1/2" NC x 1-1/4"	At Pump End
	904208	4	LOCKWASHER, 1/2"	
	915987	4	CAPSCREW, 1/2" NC x 1-1/2"	At Tube end, prior to tractor serial no. 7222
	904208	4	LOCKWASHER, 1/2"	
	916315	4	CAPSCREW, 1/2" NC x 2-1/4"	At Tube end, effective tractor serial no. 7222
	904208	4	LOCKWASHER, 1/2"	
	910325	4	NUT, 1/2" NC	
20	------	1	PUMP ASSY., scraper (See page 236)	
21	------	1	PUMP ASSY., steering (See page 234)	



SCRAPER HYDRAULICS, VALVE SECTION

SCRAPER HYDRAULICS, VALVE SECTION

ITEM	PART NO.	QTY.	DESCRIPTION
1	------	1	FILTER, hydraulic (See page 242)
2	195485	1	TUBE ASSY.
	923578	2	O-RING
	921118	2	FLANGE, split, #24
	915987	4	CAPSCREW, 1/2" NC x 1-1/2"
	916314	4	CAPSCREW, 1/2" NC x 2"
	904208	8	LOCKWASHER, 1/2"
	910325	4	NUT, 1/2" NC
	195484	1	TUBE ASSY. (Standard Equipment)
	196417	1	TUBE ASSY. } Special, for Tractors equipped with Cab
	196418	1	CLAMP }
3	923578	2	O-RING
	921118	2	FLANGE, split, #24
	915987	4	CAPSCREW, 1/2" NC x 1-1/2"
	916314	4	CAPSCREW, 1/2" NC x 2"
	904208	8	LOCKWASHER, 1/2"
	910325	4	NUT, 1/2" NC
4	193201	4	MOUNTING, tube
	195563	2	BAR
	916321	4	CAPSCREW, 1/2" NC x 4-1/2"
	904208	4	LOCKWASHER, 1/2"
	910325	4	NUT, 1/2" NC
5	195558	1	TUBE ASSY.
	923578	1	O-RING (at Reservoir)
	921118	2	FLANGE, split, #24
	916314	4	CAPSCREW, 1/2" NC x 2"
	904208	4	LOCKWASHER, 1/2"
	910325	4	NUT, 1/2" NC
	194246	1	HOSE (See HOSE PARTS) (Standard Equipment)
	196416	1	HOSE (See HOSE PARTS) (Special, for Tractors equipped with Cab)
6	923578	2	O-RING
	921118	4	FLANGE, split, #24
	915987	4	CAPSCREW, 1/2" NC x 1-1/2"
	916314	4	CAPSCREW, 1/2" NC x 2"
	904208	8	LOCKWASHER, 1/2"
	910325	4	NUT, 1/2" NC
7	195483	1	HOSE (See HOSE PARTS)
	923578	2	O-RING
	921118	4	FLANGE, split, #24
	915987	4	CAPSCREW, 1/2" NC x 1-1/2"
	916314	4	CAPSCREW, 1/2" NC x 2"
	904208	8	LOCKWASHER, 1/2"
	910325	4	NUT, 1/2" NC

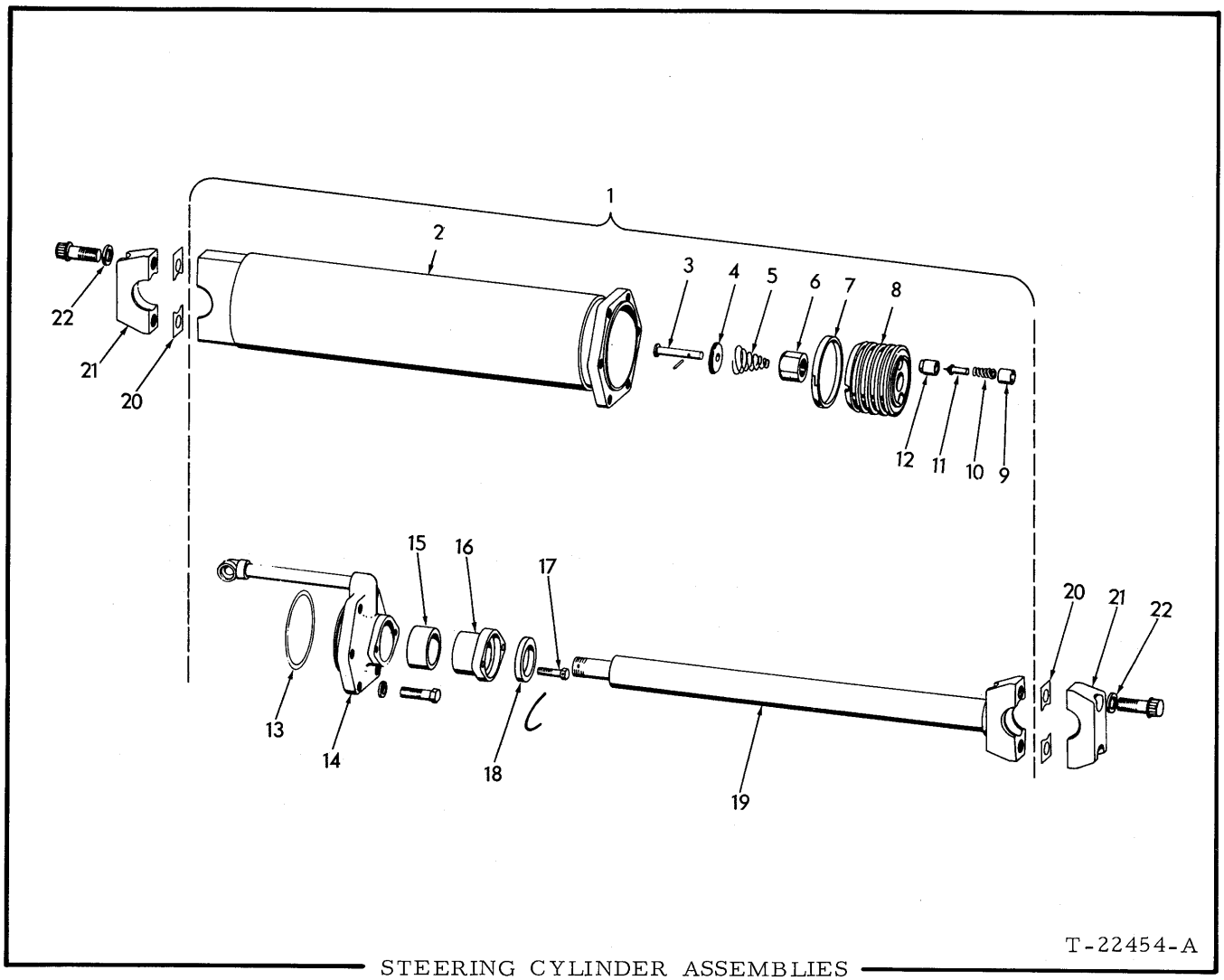
(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION	
8	195144	1	VALVE, relief	
	185998	1	COVER, relief valve	Not Illustrated
	907859	1	PLUG, pipe, 1/4"	
	923664	1	O-RING	
	916197	4	CAPSCREW, 7/16" NC x 1-1/4"	
	904207	4	LOCKWASHER, 7/16"	
	923578	1	O-RING (at reservoir)	
	921118	2	FLANGE, split, #24	
	915987	4	CAPSCREW, 1/2" NC x 1-1/2"	
	904208	4	LOCKWASHER, 1/2"	
9	195146	1	HOSE (See HOSE PARTS)	
	923664	2	O-RING	
	921117	4	FLANGE, split, #20	
	916197	8	CAPSCREW, 7/16" NC x 1-1/4"	
	904207	8	LOCKWASHER, 7/16"	
10	195583	1	HOSE (to second port in manifold) (See HOSE PARTS)	
	923578	2	O-RING	
	921118	2	FLANGE, split, #24	At Tube End
	915987	4	CAPSCREW, 1/2" NC x 1-1/2" (prior to tractor serial no. 7222)	
	916315	4	CAPSCREW, 1/2" NC x 2-1/4" (effective tractor serial no. 7222)	
	904208	4	LOCKWASHER, 1/2"	
	910325	4	NUT, 1/2" NC (effective tractor serial no. 7222)	
11	190635	2	PLATE, connector	
12	191826	4	FLANGE, split (flat)	
	921118	4	FLANGE, split, #24	
	923578	2	O-RING	
	916315	4	CAPSCREW, 1/2" NC x 2-1/4"	
	904208	4	LOCKWASHER, 1/2"	
	910325	4	NUT, 1/2" NC	
13	195584	1	HOSE (to top port in manifold) (See HOSE PARTS)	
	923578	2	O-RING	
	921118	2	FLANGE, split, #24	At Tube End
	915987	4	CAPSCREW, 1/2" NC x 1-1/2" (prior to tractor serial no. 7222)	
	916315	4	CAPSCREW, 1/2" NC x 2-1/4" (effective tractor serial no. 7222)	
	904208	4	LOCKWASHER, 1/2"	
	910325	4	NUT, 1/2" NC (effective tractor serial no. 7222)	
14	193899	1	MANIFOLD ASSY. (welded)	
15	195299	4	PLATE, connector	
16	185763	8	FLANGE, split (flat)	
	921116	8	FLANGE, split, #16 (quantity 4 used prior to tractor serial no. 6630)	
	923718	8	O-RING (1-5/16" I.D.)	
	910948	16	CAPSCREW, 3/8" NC x 2"	
	904206	16	LOCKWASHER, 3/8"	
	910324	16	NUT, 3/8" NC	

(Continued)

SCRAPER HYDRAULICS, VALVE SECTION (Cont.)

ITEM	PART NO.	QTY.	DESCRIPTION
17	195479	1	UNION, adapter
18	184075	1	BAR, lock
	913105	1	CAPSCREW, 1/2" NF x 1-1/2"
	916966	1	LOCKWASHER
19	181230	1	LOCKNUT
20	180211	1	CONE
	920193	1	KEY, parallel, plain, 3/4" x 3/4" x 3-3/4"
21	193934	1	HOSE, elevator motor drain (See HOSE PARTS)
	920662	1	ELBOW, male, 1/2"
	169506	1	CLAMP, hose (not illustrated)
22	194243	1	HOSE (61-7/8" long, to third port in manifold) (See HOSE PARTS)
	189596	1	HOSE (67-7/8" long, to fourth port in manifold) (includes 1-piece flange - See HOSE PARTS) (used prior to tractor serial no. 6630)
	195799	1	HOSE (65-7/8" long, to fourth port in manifold) (See HOSE PARTS) (effective tractor serial no. 6630)
	189599	1	HOSE (49-7/8" long, to fifth port in manifold) (See HOSE PARTS)
	189597	1	HOSE (49-7/8" long, to sixth port in manifold) (includes 1-piece flange - See HOSE PARTS) (used prior to tractor serial no. 6630)
	195798	1	HOSE (49-7/8" long, to sixth port in manifold) (See HOSE PARTS) (effective tractor serial no. 6630)
	923664	4	O-RING (1-1/2" I. D.) } At Valve
	921117	8	FLANGE, split, #20 } At Valve
	916197	16	CAPSCREW, 7/16" NC x 1-1/4" } At Valve
	904207	16	LOCKWASHER, 7/16" } At Valve
23	195588	1	COVER
24	195024	4	CLAMP, tube
	919801	4	CAPSCREW, 3/8" NC x 4"
	922464	4	WASHER, plain, 13/32"
	904206	4	LOCKWASHER, 3/8"
	910324	4	NUT, 3/8" NC
25	195585	1	TUBE ASSY. (for tractors prior to serial no. 7222, also order 4 - 916315 Capscrews, 910325 Nuts)
	923664	1	O-RING } At Valve
	921117	2	FLANGE, split, #20 } At Valve
	916197	4	CAPSCREW, 7/16" NC x 1-1/4" } At Valve
	904207	4	LOCKWASHER, 7/16" } At Valve
26	195586	1	TUBE ASSY. (for tractors prior to serial no. 7222, also order 4 - 916315 Capscrews, 910325 Nuts)
	923664	1	O-RING } At Valve
	921117	2	FLANGE, split, #20 } At Valve
	916197	4	CAPSCREW, 7/16" NC x 1-1/4" } At Valve
	904207	4	LOCKWASHER, 7/16" } At Valve
27	------	1	VALVE ASSY., scraper (See page 258)
28	------	1	VALVE ASSY., motor (See page 262)
29	------	1	RESERVOIR, hydraulic (See page 240)



STEERING CYLINDER ASSEMBLIES

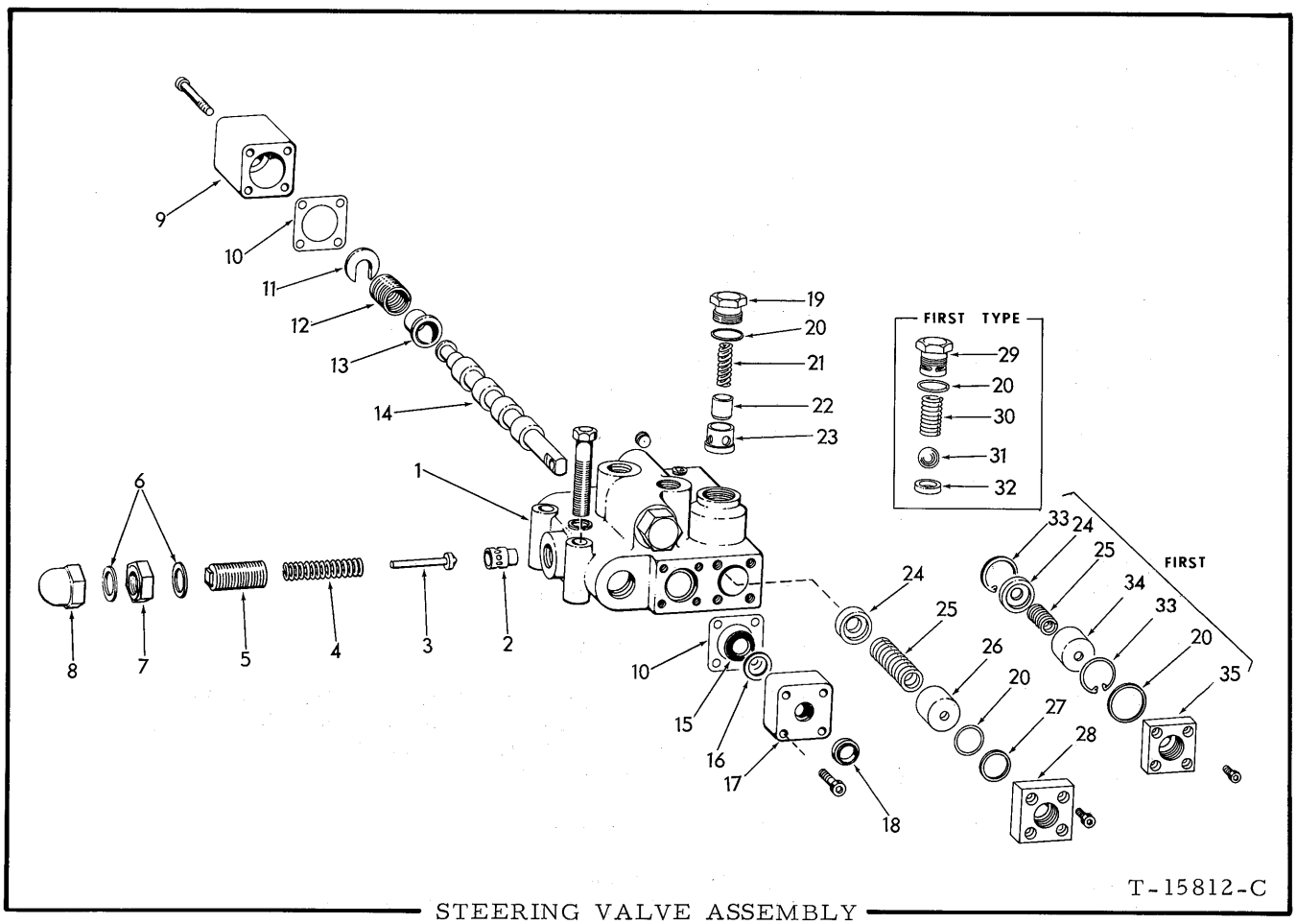
* - Used prior to tractor serial no.
** - Effective tractor serial no. and up

NOTE: Quantities shown are sufficient for one Cylinder only

ITEM	PART NO.	QUANTITY *	QUANTITY **	DESCRIPTION
1	189157	1	-	CYLINDER ASSY., steering, R. H. (includes items 2 thru 19)
	189158	1	-	CYLINDER ASSY., steering, L. H. (includes items 2 thru 19)
	198345	-	1	CYLINDER ASSY., steering (includes items 2 thru 19)
	198346	-	1	CYLINDER ASSY., steering (includes items 2 thru 19)
2	187016	1	1	CYLINDER ASSY. (welded)
3	185272	1	1	PIN
	916004	1	1	PIN, roll, 3/16" x 2"
4	185273	1	1	PLUG

(Continued)

ITEM	PART NO.	QUANTITY *	QUANTITY **	DESCRIPTION
5	186947	1	1	SPRING
6	192450	1	1	NUT, slotted
7	153252	4	4	RING, piston
8	187203	1	-	PISTON
	197277	-	1	PISTON
9	187152	2	-	HOUSING, spring
	197727	-	2	HOUSING, spring
10	185275	2	2	SPRING, plunger
11	185276	2	-	PLUNGER, valve
	197728	-	2	PLUNGER, valve
12	189074	2	-	SEAT, valve plunger
	197729	-	2	SEAT, valve plunger
13	924138	1	1	O-RING, cylinder head
14	181765	1	1	HEAD ASSY., cylinder, R.H. (welded) (as shown)
	181766	1	1	HEAD ASSY., cylinder, L.H. (welded) (not illustrated)
	916332	6	6	CAPSCREW, 3/4" NF x 2-1/2"
	904369	6	6	LOCKWASHER, 3/4"
15	140421	1	1	PACKING, piston rod
16	179834	1	1	GLAND, packing
17	180294	2	2	CAPSCREW, drilled hd. (1/2" NF x 2")
	------	2	2	WIRE, locking, 16 ga. x 6" (obtain locally)
18	140420	1	1	SEAL, oil, piston rod
19	191145	1	1	ROD ASSY., piston (welded)
20	178813	20	20	SHIM, 1/64"
	180238	8	8	SHIM, .008"
	187209	24	24	SHIM, .005"
21	178810	2	2	CAP, rod
22	194032	4	4	WASHER, plain
	923542	4	4	CAPSCREW, 12 pt. nylok, 1" NF x 2-1/2"



STEERING VALVE ASSEMBLY

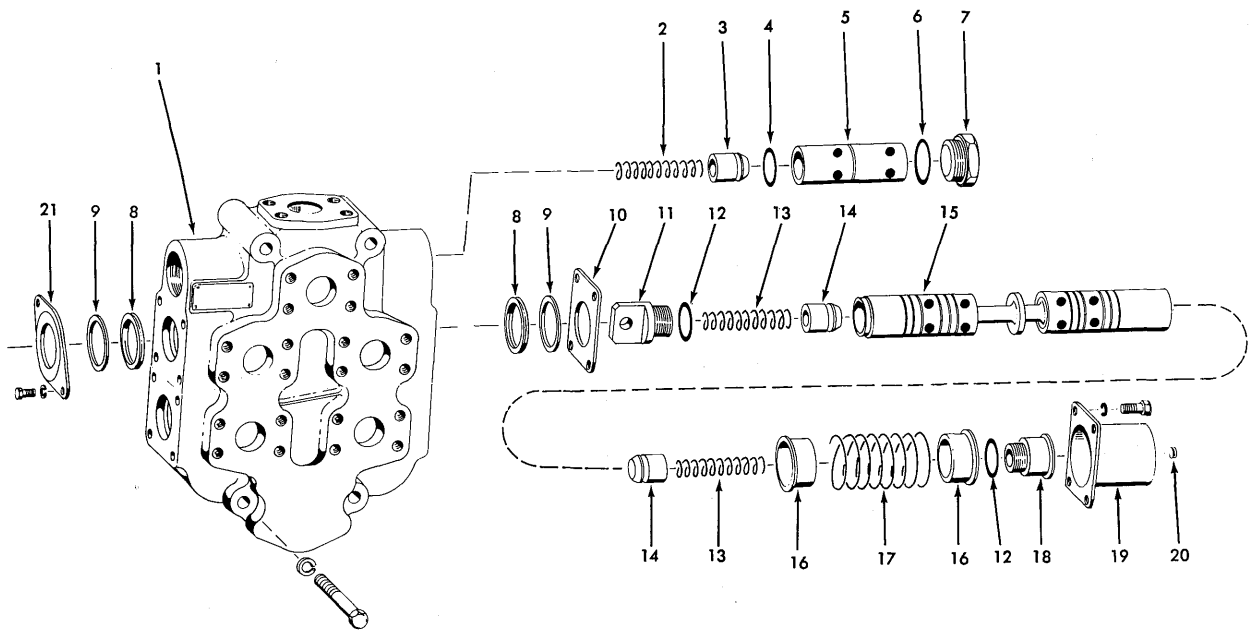
* - Used prior to tractor serial no. 7078
** - Effective tractor serial no. 7078 and up

ITEM	PART NO.	QUANTITY *	QUANTITY **	DESCRIPTION
-	195379	1	-	VALVE ASSY., steering (includes items 1 thru 18, 20, 24, 25, 29 thru 35)
	196403	-	1	VALVE ASSY., steering (includes items 1 thru 28)
1	193796	1	-	BODY, valve
	196386	-	1	BODY, valve
	904260	2	2	PLUG, pipe, ctsk. sq. socket, 3/8"
2	178405	1	1	SEAT, relief valve
3	147605	1	1	PLUNGER
4	193882	1	1	SPRING, plunger
5	154080	1	1	SCREW, relief valve
6	154107	2	2	GASKET, relief valve (copper)
7	181047	1	1	NUT, jam (1-1/8" NC)

(Continued)

STEERING VALVE ASSEMBLY (Cont.)

ITEM	PART NO.	QUANTITY *	QUANTITY **	DESCRIPTION
8	154081	1	1	CAP, relief valve
9	182802	1	-	HOUSING, spring
	193798	-	1	HOUSING, spring
	921154	4	4	CAPSCREW, socket hd., nylok, 5/16" NC x 3"
10	154091	2	-	GASKET
	193795	-	2	GASKET
11	147597	1	1	LOCK, spring
12	147599	1	1	SPRING
13	147603	1	1	SPACER
14	180492	1	-	SPOOL, valve
	193797	-	1	SPOOL, valve
15	184294	1	1	SEAL, U-cup
16	184295	1	1	WASHER, back-up
17	184103	1	-	CAP, end
	193799	-	1	CAP, end
	919237	4	4	CAPSCREW, socket hd., nylok, 5/16" NC x 1-5/8"
18	184293	1	1	RING, wiper
19	196388	-	1	CAP, valve
20	923649	2	2	O-RING
21	171592	-	1	SPRING
22	196392	-	1	PISTON
23	196389	-	1	SEAT, valve
24	177903	1	1	RETAINER, spring
25	177902	1	1	SPRING
26	196390	-	1	VALVE, slide
27	196391	-	1	RING, back-up
28	196387	-	1	CAP
	912267	-	4	CAPSCREW, hex socket, 3/8" NC x 1"
29	196150	1	-	CAP, valve
30	172237	1	-	SPRING
31	916538	1	-	BALL, 1" dia.
32	155333	1	-	SEAT, valve
33	177905	2	-	RING, snap
34	177904	1	-	VALVE, slide
35	180388	1	-	CAP
	912267	4	-	CAPSCREW, hex socket, 3/8" NC x 1"



SCRAPER VALVE ASSEMBLY

ITEM	PART NO.	QTY.	DESCRIPTION
-	193679	1	VALVE ASSY. (includes items 1 thru 21)
	916321	4	CAPSCREW, 1/2" NC x 4-1/2"
	904208	4	LOCKWASHER, 1/2"
	910325	4	NUT, 1/2" NC
1	------	1	BODY, valve (not serviced separately - see NOTE below)
2	195135	1	SPRING, check valve
3	3001717	2	PLUNGER, check valve
4	3027408	2	O-RING
5	184593	2	SLEEVE
6	157523	2	O-RING
7	183890	2	CAP, check valve
8	196851	4	RING, quad

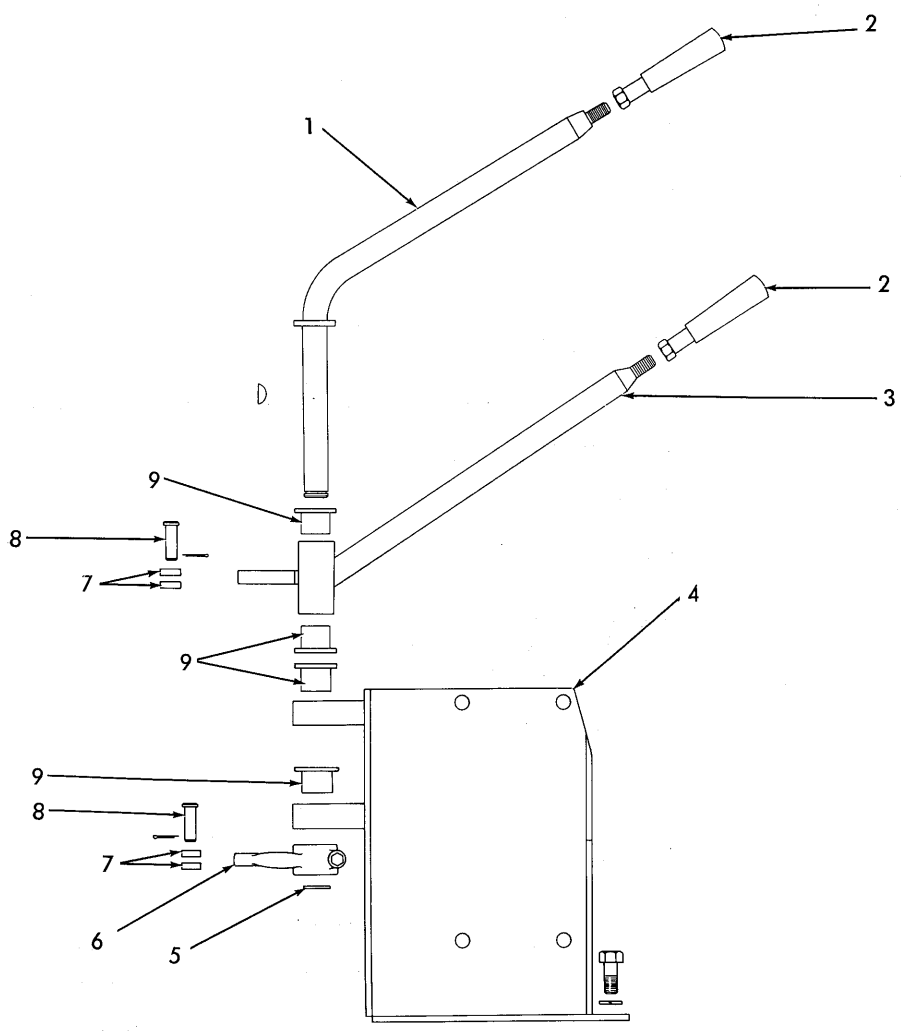
(Continued)

SCRAPER VALVE ASSEMBLY (Cont.)

ITEM	PART NO.	QTY.	DESCRIPTION
9	184595	4	WASHER, quad ring back-up
10	183891	2	RETAINER, seal
11	184607	2	EYE, plunger
12	157519	4	O-RING
13	184609	4	SPRING
14	3004706	4	PLUNGER, check valve
15	------	2	PLUNGER, valve (not serviced separately - see NOTE below)
16	184604	4	RETAINER, spring
17	184608	2	SPRING
18	184610	2	CAP
19	184603	2	COVER, spring
	915406	8	CAPSCREW, 1/4" NC x 3/4"
	904204	8	LOCKWASHER, 1/4"
20	184549	2	PLUG, bleeder
21	191976	2	WIPER, plunger
	915406	4	CAPSCREW, 1/4" NC x 3/4"
	904204	4	LOCKWASHER, 1/4"

NOTE: Valve housings and plungers are not serviced separately due to the extremely close fit required for satisfactory operation. This can be achieved only by matching and lapping plungers and housings as a unit.

When the plunger clearances become excessive due to normal wear, the valve housings may be returned to the manufacturer for installation of over-size plungers at a nominal charge. Consult your local Allis-Chalmers dealer for shipping instructions. Do not return to Allis-Chalmers factory.



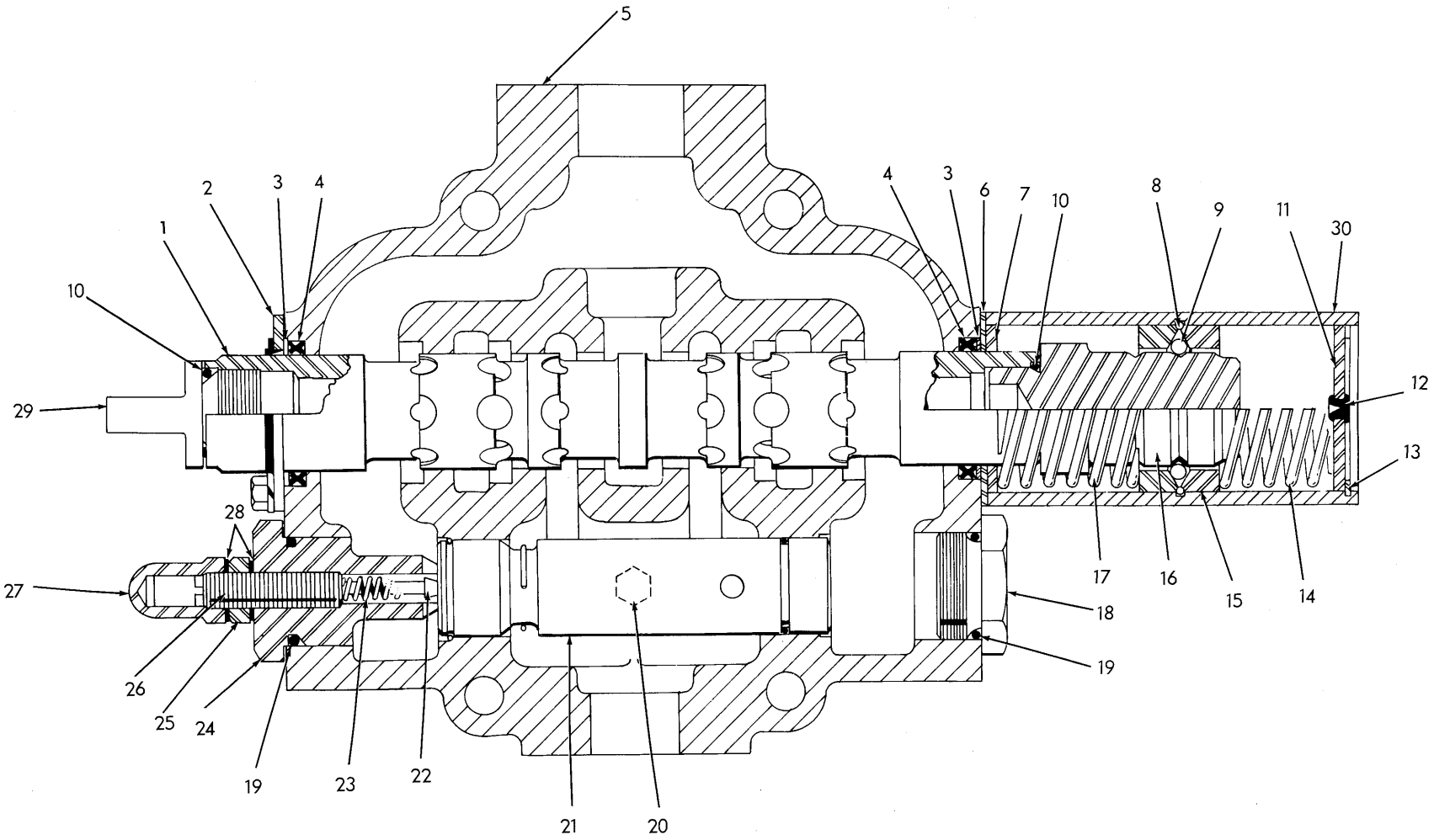
SCRAPER VALVE LEVERS

ITEM	PART NO.	QTY.	DESCRIPTION
1	194267	1	LEVER ASSY., bowl (welded)
	905123	1	KEY, woodruff, 3/16" x 3/4"
2	196864	2	GRIP ASSY.
3	194281	1	LEVER ASSY., ejector (welded)
4	194279	1	BRACKET ASSY. (welded)
	916311	4	CAPSCREW, 1/2" NC x 1-1/4"
	904208	4	LOCKWASHER, 1/2"
5	161052	1	RING, retainer
6	194270	1	ARM, connecting
	916385	1	CAPSCREW, 3/8" NF x 2"
	913528	1	NUT, elastic, 3/8" NF

(Continued)

SCRAPER VALVE LEVERS (Cont.)

ITEM	PART NO.	QTY.	DESCRIPTION
7	140650	4	LINK
8	138571	4	PIN, link
	900806	4	PIN, cotter, 1/8" x 1"
9	178031	4	BUSHING



T-70161

MOTOR VALVE

MOTOR VALVE

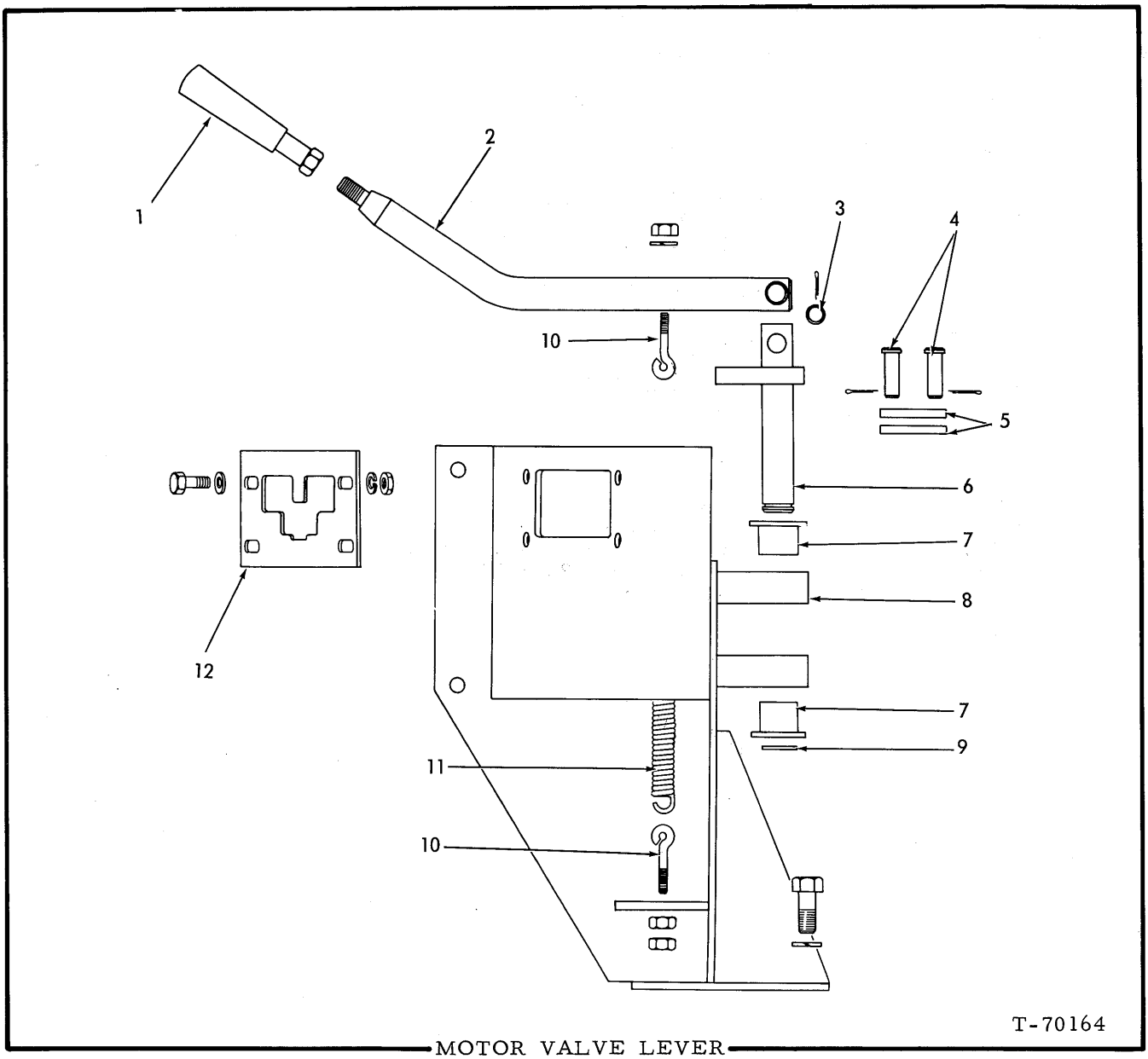
ITEM	PART NO.	QTY.	DESCRIPTION
–	195559	1	VALVE ASSY., MOTOR (includes items 1 thru 30)
	916321	4	CAPSCREW, 1/2" NC x 4-1/2"
	904208	4	LOCKWASHER, 1/2"
	910325	4	NUT, 1/2" NC
1	------	1	PLUNGER (Not Serviced - See NOTE, below)
2	191976	1	WIPER
	915406	2	CAPSCREW, 1/4" NC x 3/4"
	904204	2	LOCKWASHER, 1/4"
3	184595	2	WASHER
4	196851	2	RING, quad
5	------	1	HOUSING (Not Serviced - See NOTE, below)
6	183891	1	SEAL, retainer
7	195357	1	RING, back-up
8	195356	1	RING, retaining
9	905358	20	BALL, 1/4"
10	923575	2	O-RING, 1" I.D.
11	183894	1	PLUG
12	184550	1	PLUG, bleeder
13	184598	1	RING, retaining
14	195355	1	SPRING
15	183888	2	RETAINER, ball
16	195472	1	CAP, detent
17	191974	1	SPRING
18	183890	1	CAP
19	923649	2	O-RING, 1-1/4" I.D.
20	919840	1	PLUG, pipe, 1/4"
21	3041951	1	VALVE ASSY., relief (serviced only as a unit)
22	3027397	1	POPPET, relief
23	3027401	1	SPRING
24	191994	1	CAP, adjusting

(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
25	913830	1	NUT, jam, 1/2" NF - 3
26	3027399	1	SCREW, adjusting
27	3033939	1	NUT, acorn
28	191995	2	WASHER
29	194239	1	EYE, plunger
30	195354	1	COVER ASSY., detent
	916285	4	CAPSCREW, 1/4" NC x 1"
	904204	4	LOCKWASHER, 1/4"

NOTE: Valve housings and plungers are not serviced separately due to the extremely close fit required for satisfactory operation. This can be achieved only by matching and lapping plungers and housings as a unit.

When the plunger clearances become excessive due to normal wear, the valve housings may be returned to the manufacturer for installation of over-size plungers at a nominal charge. Consult you local Allis-Chalmers dealer for shipping instructions. Do not return to Allis-Chalmers factory.



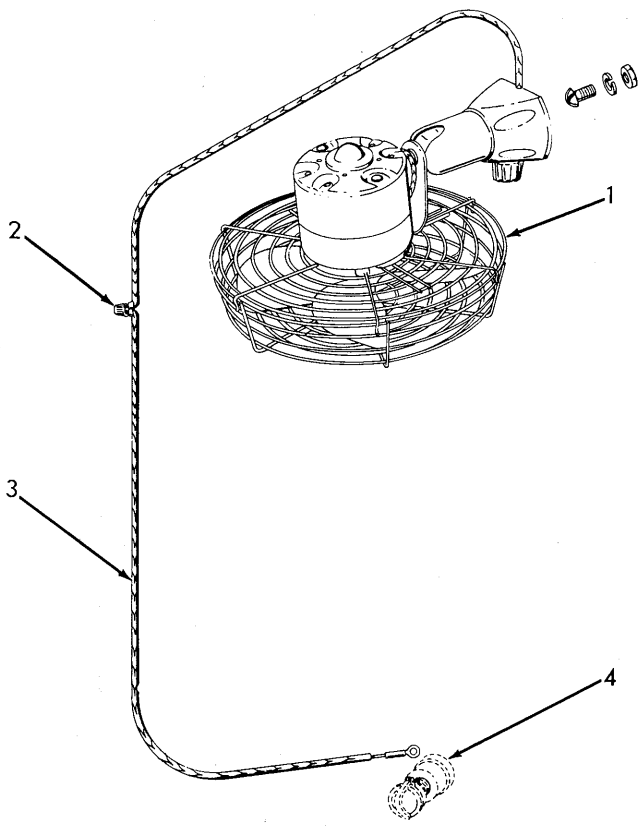
MOTOR VALVE LEVER

ITEM	PART NO.	QTY.	DESCRIPTION
1	196864	1	GRIP ASSY.
2	195593	1	LEVER, motor valve
3	161182	1	PIN
	900806	1	PIN, cotter, 1/8" x 1"
4	138571	2	PIN, link
	900806	2	PIN, cotter, 1/8" x 1"
5	140650	2	LINK

(Continued)

MOTOR VALVE LEVER (Cont.)

ITEM	PART NO.	QTY.	DESCRIPTION
6	194278	1	PIN ASSY. (welded)
7	178031	2	BUSHING
8	194277	1	BRACKET ASSY. (welded)
	916311	5	CAPSCREW, 1/2" NC x 1-1/4"
	904208	5	LOCKWASHER, 1/2"
9	161052	1	RING, retaining
10	171298	2	BOLT, eye
	910267	2	NUT, jam, 1/4" NF
	904204	1	LOCKWASHER, 1/4"
	910337	1	NUT, 1/4" NF
11	166891	1	SPRING
12	195589	1	PLATE
	907731	4	CAPSCREW, cd. pltd., 3/8" NC x 1"
	900817	4	WASHER, plain, U.S.S. std., 3/8"
	904206	4	LOCKWASHER, 3/8"
	910324	4	NUT, 3/8" NC

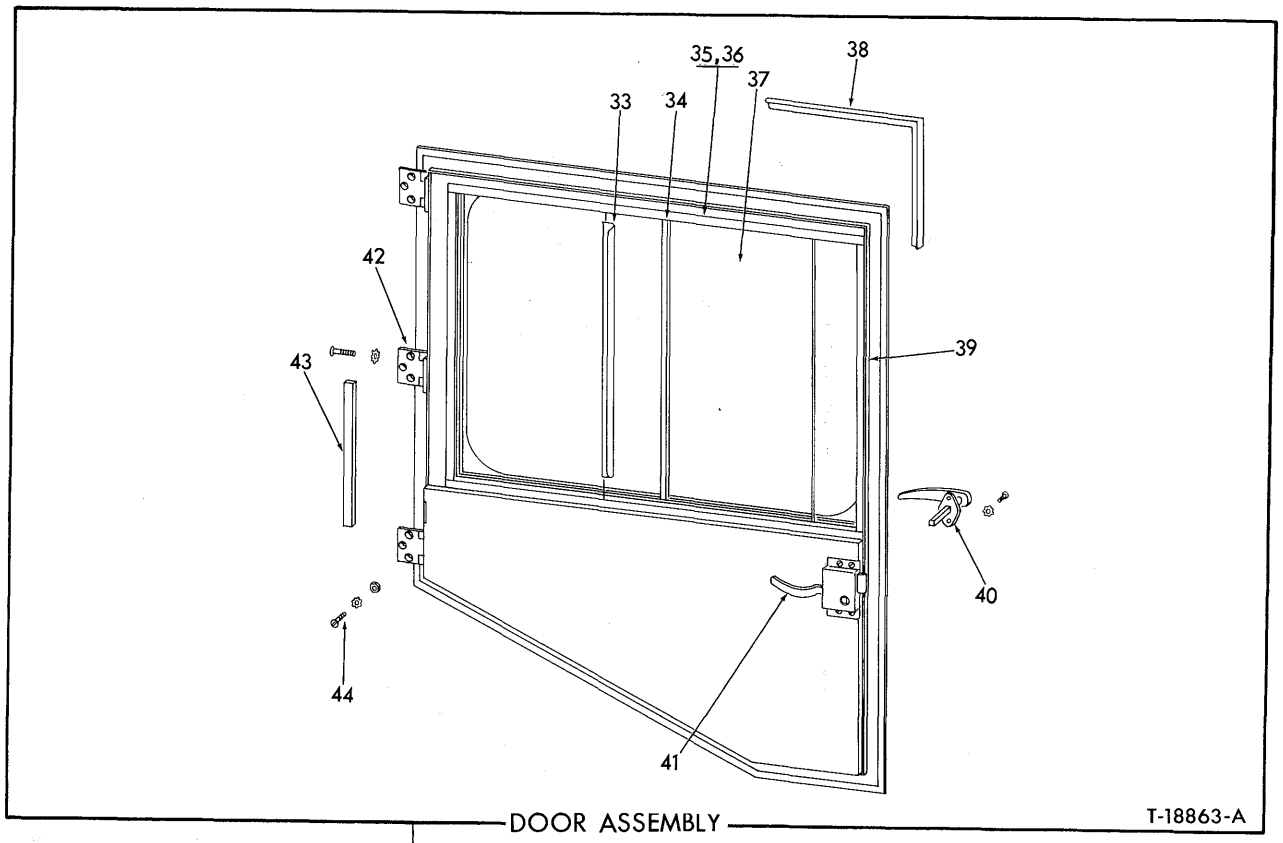


T-26762

DEFROSTER FAN

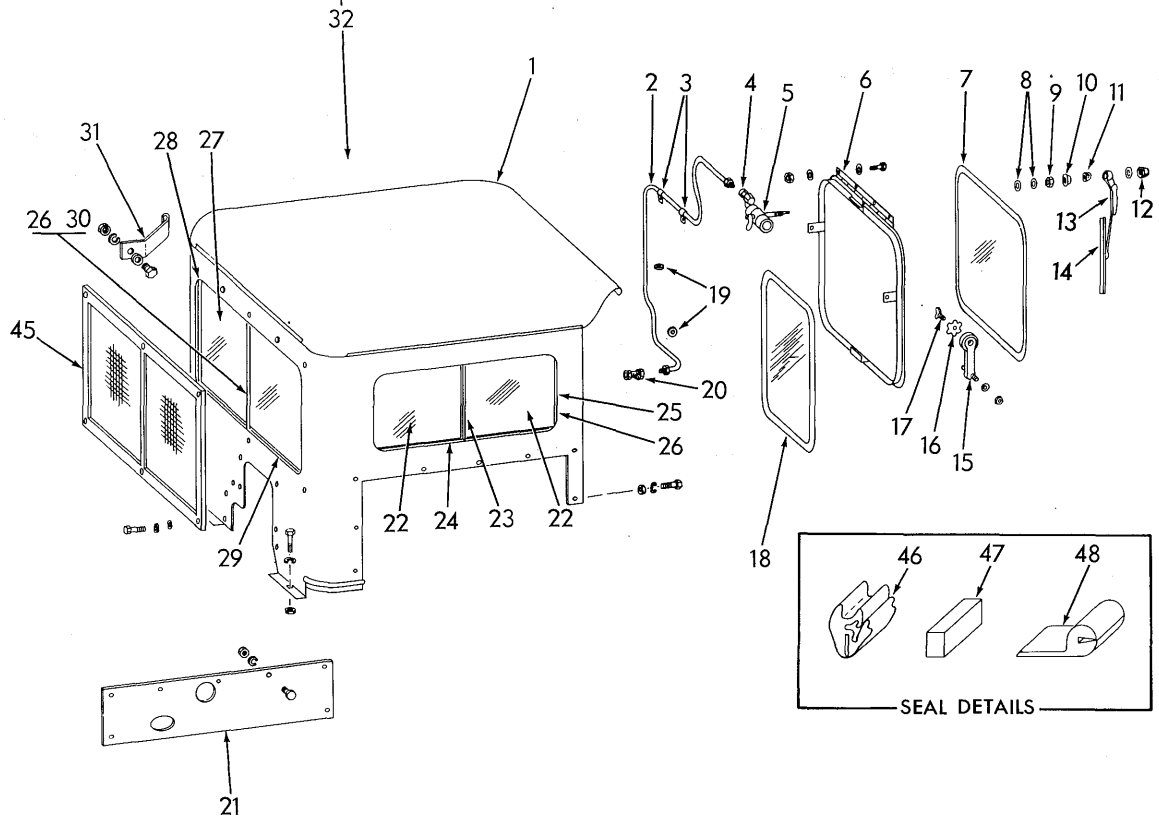
USAGE: Special Equipment - For use with Cab Installation

ITEM	PART NO.	QTY.	DESCRIPTION
1	184145	1	FAN ASSY. (includes motor, guard, pedestal, switch and wiring) (Model no. 96-24V. Order service parts from Huppower Division of Hupp Corporation, 7450 Melville Ave., Detroit, Mich. 48200, U.S.A.)
	917388	4	SCREW, mach., cd. pltd., #10 NC x 3/4"
	917365	4	LOCKWASHER, pltd., #10
	916621	4	NUT, pltd., #10 NC
2	------	1	NUT, wire (obtain locally)
3	184146	1	WIRE ASSY.
4	------	1	SWITCH, master (See INSTRUMENT PANEL)



DOOR ASSEMBLY

T-18863-A



CAB GROUP (Special Equipment)

T-72100-A

CAB GROUP (Special Equipment)

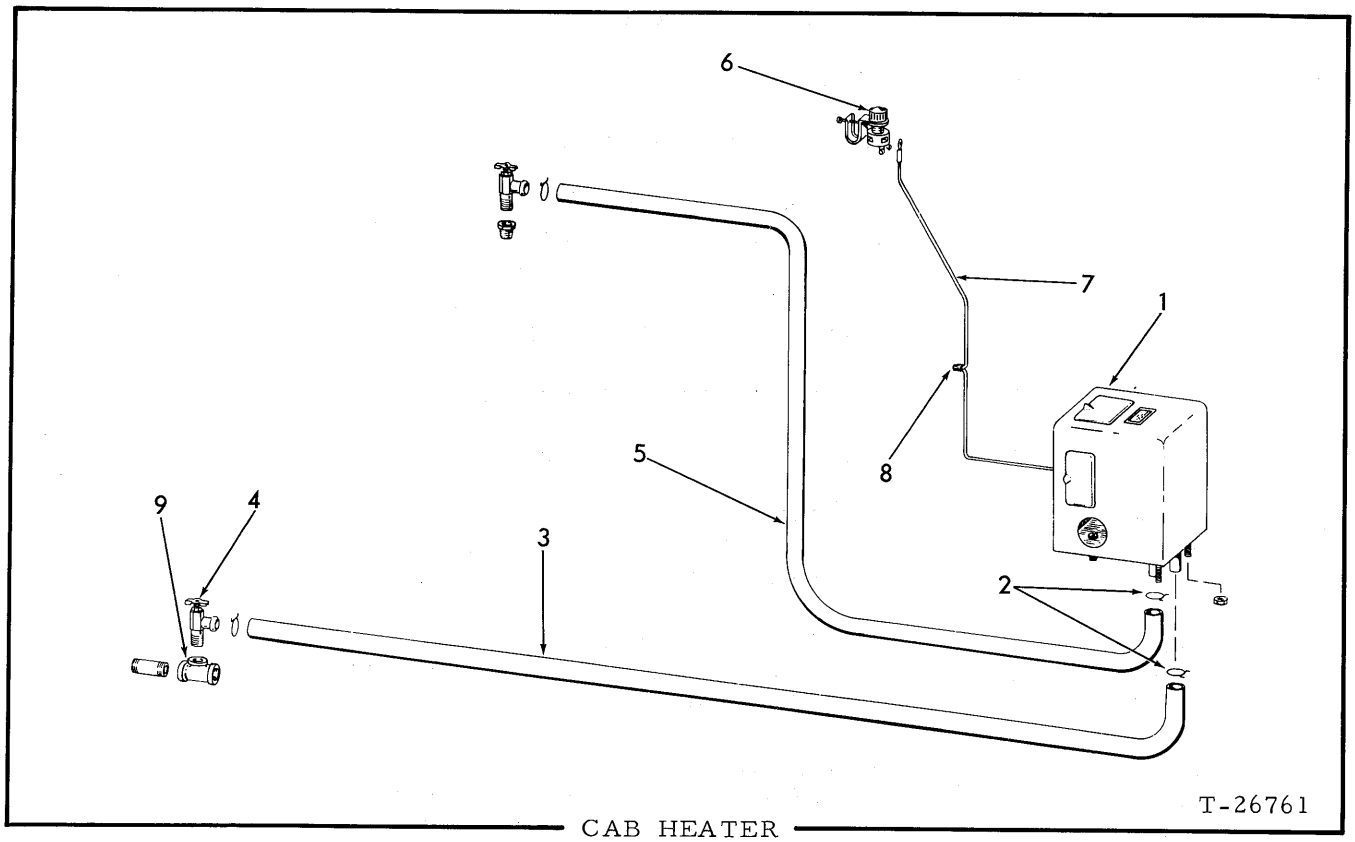
ITEM	PART NO.	QTY.	DESCRIPTION
1	196090	1	CAB ASSY. (includes items 4 thru 18, 22 thru 44) (See MACHINERY MANUAL)
	------	2	WEATHERSTRIP, 11" and 50" lengths (order item 48)
	916269	10	CAPSCREW, 3/8" NC x 7/8"
	904206	10	LOCKWASHER, 3/8"
	910324	10	NUT, 3/8" NC
2	------	1	HOSE, 1/4" I.D. x 72-1/2" long (order item 50)
	179966	2	CLAMP, hose
	920801	2	FITTING, socketless, male, 1/4" hose, 1/4" PT
3	166351	2	CLAMP
4	177246	1	VALVE, regulator
5	179869	1	MOTOR, wiper
6	180449	1	FRAME, windshield
	------	1	GASKET, 101" long (order item 47)
	916271	4	CAPSCREW, 3/8" NC x 1"
	904206	4	LOCKWASHER, 3/8"
	900817	8	WASHER, plain, 3/8"
	910324	4	NUT, 3/8" NC
7	180450	1	GLASS, windshield (obtain locally)
	------	1	WEATHERSTRIP, windshield, 101" long (order item 46)
8	178402	1	WASHER, leather
	914498	1	WASHER, plain, 15/32"
9	178401	1	NUT, holding
10	177245	1	RAINSHIELD, rubber
11	177244	1	DRIVE, knurled
12	196343	1	NUT, shoulder
	906960	1	LOCKWASHER, int. tooth, 3/8"
13	180457	1	ARM, wiper
14	180458	1	BLADE, wiper
15	180042	1	ARM ASSY., R.H. (includes NUT and WASHER indented below and items 16 and 17)
	180043	1	ARM ASSY., L.H. (includes NUT and WASHER indented below and items 16 and 17)
	900817	4	WASHER, plain, 3/8"
	915891	4	NUT, elastic stop, 3/8" NC

(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
16	178481	2	SPRING, star
17	178480	2	SCREW, thumb
18	180453	1	GLASS, R.H. front window (obtain locally)
	------	1	WEATHERSTRIP, glass, 83" long (order item 46)
19	188141	2	GROMMET
20	195296	1	TEE, tube
21	196419	1	PANEL
	916269	7	CAPSCREW, 3/8" NC x 7/8"
	904206	7	LOCKWASHER, 3/8"
	910324	5	NUT, 3/8" NC
22	196358	2	GLASS (obtain locally)
23	196356	1	CHANNEL, glass weatherstrip
24	180461	2	CHANNEL, upper and lower horizontal
	180460	1	CHANNEL, upper horizontal
25	196357	2	CHANNEL
26	196354	2	LIFT, finger
27	196092	2	GLASS, rear window (obtain locally)
28	196094	2	CHANNEL, rear window vertical
29	177238	2	CHANNEL, rear window upper and lower
	180456	1	CHANNEL ASSY., upper
	916271	2	CAPSCREW, 3/8" NC x 1"
	904206	2	LOCKWASHER, 3/8"
	900817	2	WASHER, plain, 3/8"
30	196093	1	CHANNEL, glass weatherstrip
31	177228	2	STRAP, door
	916271	2	CAPSCREW, 3/8" NC x 1"
	904206	2	LOCKWASHER, 3/8"
	900817	2	WASHER, plain, 3/8"
	910324	2	NUT, 3/8" NC
32	180447	1	DOOR ASSY., L.H. (includes items 33 thru 43)
33	180455	1	LIFT, finger

(Continued)

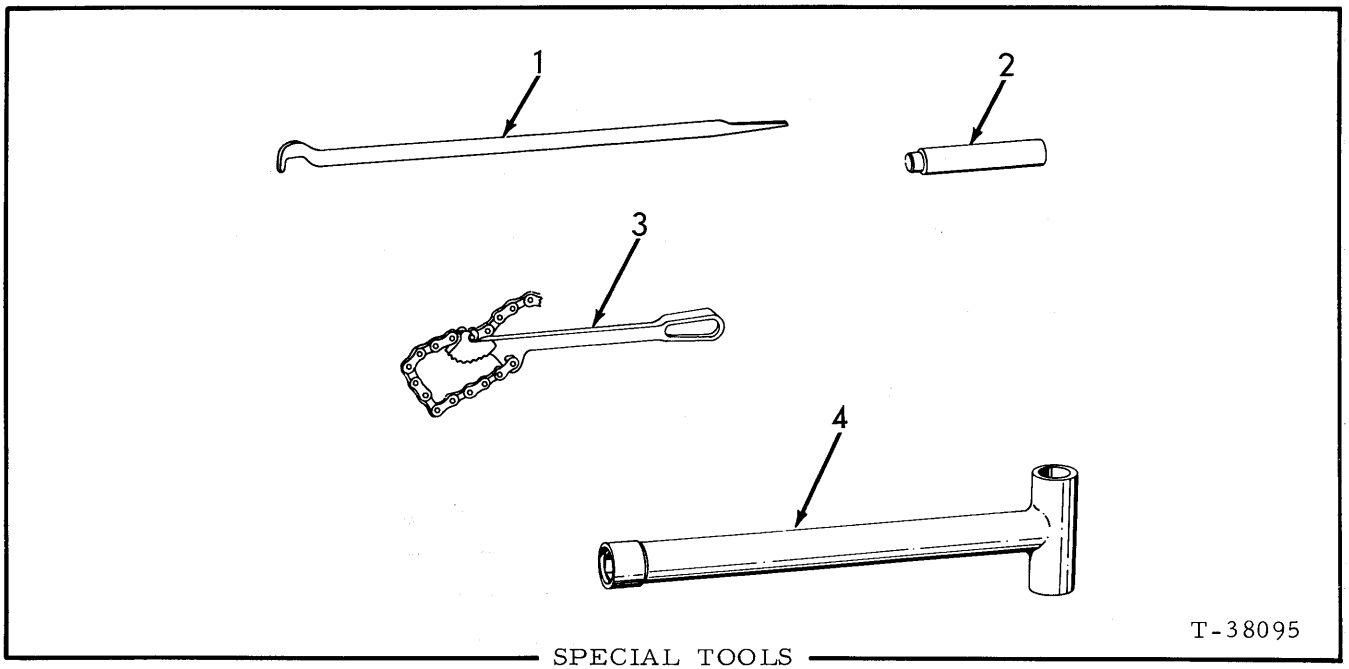
ITEM	PART NO.	QTY.	DESCRIPTION	
34	180465	1	CHANNEL, window glass	
35	180461	2	CHANNEL, upper and lower	
36	180460	1	CHANNEL, upper horizontal	
	900498	3	SCREW, flat hd., #8 x 3/8"	
37	180464	2	GLASS, door (obtain locally)	
38	------	1	GASKET, door (order item 49)	
39	180462	2	CHANNEL, window, vertical	
40	180058	1	HANDLE, outside	
	903857	2	SCREW, flat hd., #10 NC x 3/4"	
	912611	2	LOCKWASHER, ext. tooth, ctsk., #10	
41	177239	1	LATCH ASSY. (for left hand door)	
	900560	4	SCREW, mach., rd. hd., #10 x 3/4"	
	904203	4	LOCKWASHER, #10	
42	177226	3	HINGE, L.H. door	
	914793	9	SCREW, flat hd., 1/4" NC x 3/4"	
	912300	9	LOCKWASHER, ext. tooth, ctsk., 1/4"	
43	180463	2	GASKET, door	
44	914868	9	SCREW, machine, flat hd., 1/4" NC x 1"	
	912300	9	LOCKWASHER, ext. tooth, ctsk., 1/4"	
	910880	9	NUT, hex, 1/4" NC	
45	175753	1	GUARD ASSY. (includes hardware indented below)	
	916274	6	CAPSCREW, 3/8" NC x 7/8"	
	900817	6	WASHER, plain, 3/8"	
	904206	6	LOCKWASHER, 3/8"	
46	196353	-	WEATHER STRIP, 12 ft. long	Use as required
47	196352	-	GASKET, 20 ft. long	
48	196355	-	WEATHERSTRIP, 15 ft. long	
49	196364	-	GASKET, 12 ft. long	
50	920720	-	HOSE, low pressure, 1/4" I.D. x 25 ft. long	



CAB HEATER

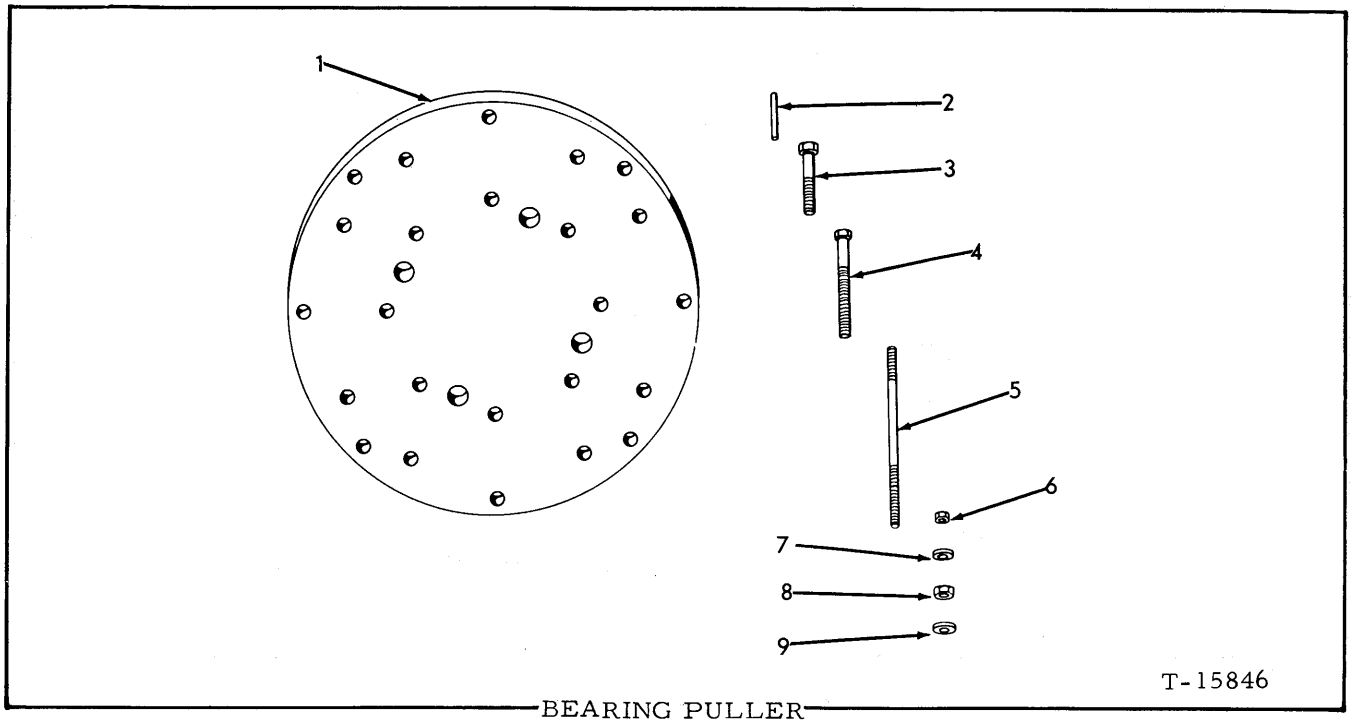
USAGE: Special Equipment

ITEM	PART NO.	QTY.	DESCRIPTION
1	184305	1	HEATER ASSY. (includes mounting studs, nuts and wire) (Model 355-24V. Order service parts from Huppower Division of Hupp Corporation, 7450 Melville Ave., Detroit, Mich. 48200, U.S.A.)
2	089107	4	CLAMP, hose, spring type, 15/16" diam.
3	184311	1	HOSE, heater (65" long)
4	089894	2	COCK, water drain
	904271	1	BUSHING, pipe, 1/2" x 3/8"
5	184310	1	HOSE, heater (90" long)
6	184306	1	SWITCH ASSY.
7	194354	1	WIRE ASSY.
	913213	1	GROMMET
8	------	1	NUT, wire (obtain locally)
9	901705	1	TEE, pipe, 1/2" NPT
	901500	1	NIPPLE, pipe, 1/2" NPT x 1-1/8"



SPECIAL TOOLS

ITEM	PART NO.	QTY.	DESCRIPTION
1	164566	1	RIM TOOL, EMW5
2	181484	1	PIN, clutch alignment
3	187315	1	WRENCH, chain
4	188435	1	WRENCH, wheel



BEARING PULLER

ITEM	PART NUMBER	QTY.	DESCRIPTION
1	187545	1	PULLER ASSY., bearing (includes items 2 thru 9)
2	112226	1	BAR
3	112229	4	BOLT, 7/8" NC x 7"
4	112228	8	BOLT, 3/4" NC x 11-3/4"
5	187544	10	STUD, 3/4" NC x 24"
6	910923	30	NUT, hex, 3/4" NC
7	900820	10	WASHER, plain, 3/4"
8	912616	4	NUT, 7/8" NC
9	900821	4	WASHER, plain, 7/8"

PAINTING AND MARKING
(not illustrated)

NOTE: All items listed below are English language printings unless otherwise indicated.

* - For machines painted standard Allis-Chalmers yellow
** - For machines painted other than Allis-Chalmers yellow

ITEM	PART NO.	QUANTITY *	QUANTITY **	DESCRIPTION
1	922983	-		ENAMEL, yellow, quart can (prior Nov. 1, 1966)
	925105	-		ENAMEL, yellow quart can (effective Nov. 1, 1966)
2	922984	-		ENAMEL, yellow, gallon can (prior Nov. 1, 1966)
	925106	-		ENAMEL, yellow, gallon can (effective Nov. 1, 1966)
3	922985	-		ENAMEL, yellow, 5 gallon can (prior Nov. 1, 1966)
	925107	-		ENAMEL, yellow, 5 gallon can (effective Nov. 1, 1966)
4	922982	-		ENAMEL, yellow (prior Nov. 1, 1966) } 12 oz. pressurized
	925104	-		ENAMEL, yellow (effective Nov. 1, 1966) } can - For Touchup
5	924306	2	-	TRADEMARK, "A-C" (applied to each side of grille) (refer to item 23)
	924246	-	2	TRADEMARK, "A-C" (applied to each side of grille)
6	187838	2	-	EMBLEM, "Kon-Tork" (3-1/4" x 12-1/2") (refer to item 23)
	197423	-	2	EMBLEM, "Kon-Tork" (3-1/4" x 12-1/2")
7	197450	1	1	TRANSFER, air cleaner (applied to left side of Hood)
8	651894	1	1	TRANSFER, instruction (applied to Air Cleaner Indicator)
9	621399	1	1	TRANSFER, warning, special heavy duty oil filter (2" x 10", includes Portuguese translation)
	621400	1	1	TRANSFER, warning, special heavy duty oil filter (2" x 10", includes French and Spanish translation)
10	197452	1	1	TRANSFER, caution (applied to Instrument Panel to right of Shift Speed Indicator Gauge)
11	185783	2	2	EMBLEM, "260" (22-1/2" ellipse) (applied to Main Frame Gooseneck on Scraper) (refer to item 23)
12	924556	2	-	EMBLEM, "Allis-Chalmers" (60") (applied to Main Frame Side Arms of Scraper) (refer to item 23)
	924972	-	2	EMBLEM, "Allis-Chalmers" (60") (applied to Main Frame Side Arms of Scraper)
13	924551	1	-	TRANSFER, name (applied to R.H. side of Hood) (refer to item 23)
	924967	-	1	TRANSFER, name (applied to R.H. side of Hood)
14	924547	1	-	TRANSFER, name (applied to Grille) (refer to item 23)
	924963	-	1	TRANSFER, name (applied to Grille)
15	197451	1	1	TRANSFER, air reservoir drain/engine start (applied to Operator Compartment inner wall)

(Continued)

PAINTING AND MARKING (Cont.)

ITEM	PART NO.	QUANTITY *	QUANTITY **	DESCRIPTION
16	197483	1	1	TRANSFER, lube and service (applied to front of Operator Compartment Step) (effective tractor serial no. 7226 and up)
17	195019	2	-	EMBLEM, "elevator" (refer to item 23) — applied to each side of Scraper gooseneck
	197424	-	2	EMBLEM, "elevator" — applied to each side of Scraper gooseneck
18	196295	3	-	EMBLEM, 260E (refer to item 23) — applied to each side of Scraper gooseneck, and to side of Hydraulic Reservoir
	197427	-	3	EMBLEM, 260E — applied to each side of Scraper gooseneck, and to side of Hydraulic Reservoir
19	197464	1	1	TRANSFER, transmission check (applied to Operator Compartment, lower left of cover)
20	197459	1	1	TRANSFER, bowl light switch (Special Equipment)
21	197479	1	1	TRANSFER, engine stop (applied to Instrument Panel, below fuel cut-off control)
22	197601	1	1	TRANSFER, scraper lever instruction) (applied to Operator Compartment, to left of cover)
23	196479	1	-	EMBLEM SET (includes items 5, 6, 11 thru 14, 17, 18)

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